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# JOURNAL

Volume 40,, No. 1

Spring, 1991

## BOARD OF DIRECTORS MEETING SCHEDULED

The QCWA Board of Directors is making plans and setting an agenda of work to be discussed and acted upon at its April 19-20, 1991 meeting to be held at Irving, Texas. Already the work load appears to be large but there is yet time for members to request the Board to consider matters which they believe to be important. It is only necessary that you file your request for Board consideration of any matter with the QCWA Secretary - his name and address are listed on page 3 herein. Time is getting short so it is necessary for you to act as soon as possible.

## QCWA WILL ELECT OFFICERS THIS SPRING

All officer and five director positions will be filled by members voting in the 1991 election. This issue of the Journal carries introductory information on all candidates as well as complete details of the election process. Save your copy for reference when your ballot arrives.

## THE WORLD HAS CHANGED!

Since publication of the Winter, 1990 Journal, the United States has become an active partner in cooperation with a coalition of United Nations Members, in a shooting war. At this writing Amateur activities have not been effected. Never-the-less, it is important for each of us to carefully monitor governmental rules, memoranda, etc., which might modify our normal activities. Let's make certain we comply with laws governing the Amateur Service and, pray for a quick and just resolution to the matters in which we are involved.

The QCWA annual QSO Parties have been completed.. Results of the friendly competition will be published in the summer QCWA Journal. It has been fun - we have heard only compliments with exception of the system of scoring your activities. If you have suggestions on future QSO parties, write them down and send them in so that they may be considered.

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### QCWA ON THE AIR MEETING

SSB, Every Sunday Afternoon

2000 GMT, 14347 kHz

CW each Wednesday Evening

8:00 PM Eastern time, 7035 kHz

W5QU / W4PI

QUARTER CENTURY WIRELESS ASSOCIATION, INC.

1409 Cooper Dr., Irving, TX 75061-5527



# QUARTER CENTURY WIRELESS ASSOCIATION, INC.

## HONOR AWARDS

### QCWA HALL OF FAME

1980	Mr. Ray Meyers, W6MLZ
1981	Mr. Bill Halligan, W9AC
1982	Mr. Barry Goldwater, K7UGA
1983	Mr. Jean-B. Wolff, LX1JW
1984	Mr. Don Wallace, W6AM
1986	Mr. George Sterling, W1AE
1987	Mr. Victor Clark, W4KFC

### DISTINGUISHED SERVICE AWARD

1975	Mr. A. L. Walsh, W2BW
1979	Mr. Mark Devaney, K4IDC
1988	Mr. David Talley, W2PF
1989	Mr. Hugh Turnbull, W3ABC
	Mr. Fred Hammond, VE3HC
1990	Mr. Herb Gleed, W6FQ

### MEMBER OF THE YEAR AWARD

1979	Mr. Ed Trombley, W8CAM
1981	Mr. Lew Sieck, K4NE
1982	Mr. Herb Gleed, W6FQ
1984	Mr. Bert Gunn, W5FU

### ROLL OF HONOR AWARD

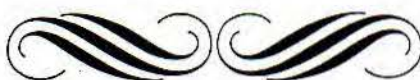
1981	Mr. John DiBlasi, W2FX
	Mr. Gus Gironda, W2JE
1985	Mr. Bud Waite, W2ZK
1986	Mr. Earl Thomas, W2MM
	Mr. Ralph Barber, W2ZM
1987	Ms. Ethel Smith, K4LMB
1989	Mr. Leland Smith, W5KL

### JOHN Di BLASI AWARD

1984	Mr. Hal Sears, W5NC
1986	Mr. Owen Garriott, W5LFL
1988	Mr. Clarence Seid, W2KW
1989	Mr. Frank Lester, W4AMJ
	Mr. Ralph Hasslinger, W2CVF
	Mr. Irving Groves, K4HT
	Mr. Nat Burnett, K4OL
	Mr. Moe Joffe, W6PHE
	Mr. Robert Baird, W9NN

### PRESIDENTIAL AWARD

1988	Mr. John D. Kraus, W8JK
	Mr. Byron H. Goodman, W1DX
	Mr. H. H. Beverage, 2BML
1989	Mr. John Huntoon, W1RW
	Mr. Stewart S. Perry, W1BB
	Mr. M. Walter Maxwell, W2DU
1990	Mr. Bruce L. Kelley, W2ICE
1991	Mr. Armin Meyer, W3ACE
	Mr. Dave Bell, W6AQ
	Mr. Noel Eaton, VE3CJ





## The President's Message

One of the big "buzz" words today is "Conservation!" We are very familiar with commentaries referring to protecting our natural resources, avoiding destructive waste products, developing alternate fuel sources, protecting our forests, battling pollution and many, many other similar subjects. Now, it's certain that some of you are trying to figure out what all that has to do with our QCWA and Amateur Radio.

Well, it's simply this. Our frequencies are a natural resource. They are a rather wonderful resource, however, because they can't be depleted such as the oil supply and the trees in the forest. We can use them over and over and never wear them out as we wear out the land when scientific farming methods are not properly implemented. We can emit bad signals and the frequencies remain in good shape. We just can't harm that natural resource!

However, we can certainly misuse this wonderful land of frequencies. We can clutter the frequencies with garbage just as some of our major highways are cluttered. We can cause interference to others in the same manner as people do when they drive automobiles as if no one else had a right to the road. Does it have to be this way? No, not at all. A little common sense and some tolerance for our neighbors is really all that is necessary. It may well be that common sense and tolerance are in short supply, but let's hope the supply is never depleted.

A possible solution for some of our problems with crowded bands could very well lie in something called "Spectrum Management." We are fortunate to have a number of bands in which to operate and we recognize the advantages of each band as propagation conditions change. However, how many times have you heard stations talking to each other over distances of a few miles when the band is open for thousands of miles? They might even be using hundreds of watts when milliwatts could cover the distance on VHF/UHF.

Another solution to the crowded band problem lies in the world of "OSCAR!" The Amateur Radio satellites presently in orbit provide some very interesting communications paths. The folks at AMSAT, along with other satellite-oriented groups throughout the world, have developed some rather formidable means of communication. If you haven't tried communicating via satellite, arrange for a talk by one of your local AMSAT members. You might try listening to the satellite down-links. While it takes reasonably well-equipped station to communicate reliably via OSCAR, you can hear the two-meter down-link with relatively modest two meter equipment.

No, the crowded bands are not going to disappear, but we can do something to alleviate the problem. Common sense, tolerance and a willingness to try something new and different . . . these points could offer the solutions we need. What do you think? 73 . . . /s/ Harry, W2HD

## THOSE WHO HAVE SERVED

### PAST PRESIDENTS

John DiBlasi, W2FX*	1947-1964
Earl R. Thomas, W2MM*	1965-1968
Clarence Seid, W2KW	1969-1971
Barry Goldwater, K7UGA	1972-1973
Frank A. Gunther, W2ALS	1974-1977
Harry S. Gartsman, W6ATC	1978-1981
Stuart Meyer, W2GHK	1982-1985
Leland Smith, W5KL	1986-1989

### EXECUTIVE SECRETARY/GENERAL MANAGER

Ralph Barber, W2ZM*	1955-1964
Gus Girona, W2JE	1965-1973
Ethel Smith, K4LMB	1974-1976

\*Silent Key

### 1990-1991 QCWA OFFICERS & DIRECTORS

Harry Dannals, W2HD, President	804 974 7388
1800 Bentivar Dr, Charlottesville, VA 22901	
Hugh Winter, W5HD, Vice President	505 884 6545
7010 Phoenix Ave, #509, Albuquerque, NM 87110	
John Swafford, W4HU, Secretary	703 536 9537
2025 Kensington St, Arlington, VA 22205	
Wesley Randles, W4COW, Treasurer	813 970 0867
6002 N Fremont St, Tampa, FL 33604	
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28 Ruessner Rd, Southington, CT 06489	
Lew McCoy, W1ICP, Director	505 388 4862
200 Idaho St, Silver City, NM 88061	
Walter L. Brink, W3WPY, Director	301 643 2933
919 Cloverfields Dr, Stevensville, MD 21666	
Jack Kelleher, W4ZC, Director	301 924 1605
612 Ednor Rd, Silver Spring, MD 20904	
Arthur Kay, W5APX, Director	615 684 3554
104 Hampshire, Box 241C, Shelbyville, TN 37160	
El Charlton, W5MD, Director	504 275 5744
1533 Outrigger Dr, Baton Rouge, LA 70816	
Robert G. Rickey, NF6P, Director	714 982 0348
8532 Red Hill C C Dr, Cucamonga, CA 91730	
Jim Walsh, W7LVN, Director	503 344 3321
159 E 16th St, Eugene, OR 97401	
Travis Baird, W9VQD, Director	414 352 9642
6815 N Ironwood Ln, Milwaukee, WI 53217	

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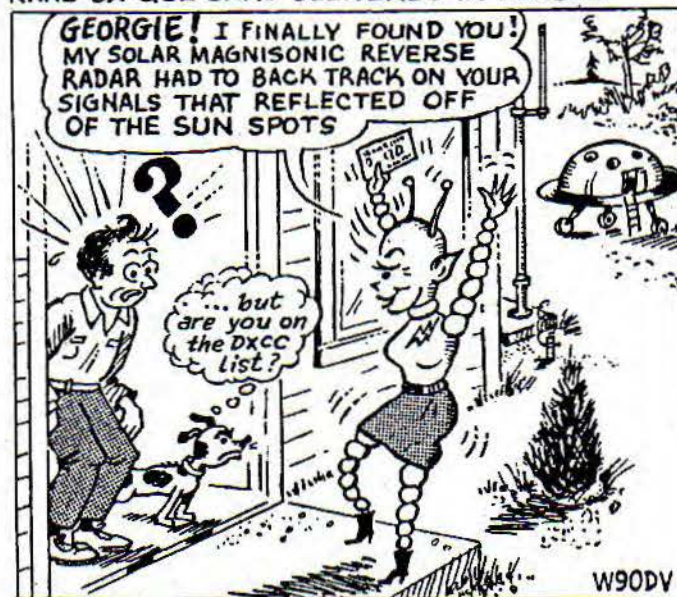
## ANNOUNCEMENT OF CANDIDATE STATUS

The nominating Committee who provided the slate of candidates has announced withdrawal of candidate Clyde Hurlbert, W5CH, due to health problems. Clyde is OK, but his doctor asked that he forego any stressful activities at this time. Here's to your good health, Clyde!

QCWA was shocked to learn of the death of Pete Backstrom, W3DM, incumbent Director who was nominated for re-election. It was reported that Pete passed away February 1, 1990, as a result of problems from earlier surgical procedures. We shall miss Pete, his good and gentle way with people, and his dedication to QCWA and to the Amateur Radio Service.

And, a vote of thanks to the Nominating Committee who did the work putting together the slate of candidates to be voted on this spring. Those doing the work were:

## RARE DX QSL CARD DELIVERED IN PERSON



## EDITORIAL POLICY

(How do we select what to print in the Journal?)

Typically editors are opinionated and sometimes unyielding in their position of choosing this over that, etc. There can be little doubt that an editor must have a great deal of latitude in making judgements and, few if any who are editors would undertake the work unless they were given essentially a free hand and backed fully by the organization for whom they are working. With no less emphasis, good editors do and must recognize that the organization paying the bills is, in the final analysis, the one who is responsible for what is printed and must, in sensitive areas, have the ear of the editor and expect him to respect and be guided by the organizations opinions and goals.

In QCWA the editor does all he can to avoid publishing material which is slanted to special interests. In most cases, we attempt to bring members a journal which provides interesting reading for many different interests represented by QCWA membership. Letters from members are printed with little editing. We constantly search for material appealing to all. Personal stories are welcome as are letters. Our aim is to publish material that will provide a permanent record of QCWA daily activities, articles that are interesting, challenging and, above all, as factual as possible. If you have ideas, let us know, they might just become a part of the Journal!

Mike Orofino, W2KO Chairman  
 Art Rauch, W4VZ  
 Jack Troster, W6ISQ  
 Frank Schwab, W8OK  
 Jim McKim, W0CY

Another of those jobs by volunteers without whom QCWA would be lost - thanks, y'all!



## EDITORIAL

### SCIENCE FOR CITIZENS!

Some have questioned all the fussing about getting our young people interested in science. After all, they say, "how many jobs require a Ph. D in physics?" Well, the need for a basic understanding of science is going to be an absolute necessity in the 21st century - and that need will not necessarily be related to preparing for a scientific career.

People are beginning to understand that the forces unleashed by science in this century have resulted in many problems - and likewise, they sense that science is going to be the only source of solutions to those problems. Thoughtful people are aware that time for education of citizens is short. The problem being that citizens must understand the problems and solutions if changes are to be accepted in a democratic society. Social aspects of problems complicate installation of viable solutions. That is, use of oil and coal for the generation of power is technically viable but, an uneducated public can be unreceptive to the use of nuclear power generation if it is unable to discern between scientific fact and superstitious fears. The general public must be able to recognize that in every human endeavor risk occurs. The public must be well enough educated to evaluate the risks and to make a decision to accept or reject them based on scientific studies. Nobel Laureate Leon Lederman has suggested that liberal arts students be required to complete a 4-year course in Physics. While he did not specifically list the basics of such a program it is relatively easy to offer suggestions. Public relations demands that potential courses be titled to appeal to basically liberal arts students. Some of the possible courses could be:

^Earth - Atmospheric Chemistry. People are interested in knowing that if the climate is warming, why; why they should use sun glasses to protect against ultraviolet light; what the true effect of 'acid rain' might be on plants, humans and property. These questions and similar questions related to public awareness can provide a positive motivation for learning the chemistry of ozone and chlorofluorocarbons - the way to measure the strength of acids - why carbon dioxide molecules absorb infra-red radiation.

^Molecular Genetics. People should know something of where they come from - this requires a knowledge of genes - the computer programs of life, storing and directing the actions of living cells. Genes gone bad result in physical defects and disease. The future advance in human health requires advances in genetic understanding. Humanities first efforts to manipulate genes, transferring them from one species to another has already raised ethical questions that cannot be handled by a populace not having a basic understanding of DNA, the stuff that genes are made of.

^Fundamental Neuroscience. Knowing how the brain works when it works right is important but it is absolutely essential to understand what happens to brains gone awry - as in drug addiction - or in degenerative diseases as Alzheimer's or mental illnesses such as schizophrenia and depression. Successful treatment and cures must be based on scientific study. A public unable to discern between superstition and scientific fact will not be able to cope with the challenging moral

and ethical problems certain to arise.

^The Quantum Universe. Quantum physics will be the basis of 21st-century electronic technology. Some are very certain that quantum physics contains the keys to unlocking the mysteries of existence.

Other subjects will certainly arise as time passes. Those listed are sufficient to indicate that citizens of the 21st-century will have to have basic understanding in these and similar areas if they are to be able to judge the need for, and the ways by which problems with life, environment and the mysteries of existence can be faced. Without knowledge, the public cannot be expected to support programs which may be required to attack problems requiring changes in moral attitudes. Public support will be required if political and business attitudes leading to solutions to problems arising from the advance of the scientific community are to be allowed to flourish.

Amateur Radio is an area which can be used to bring an awareness of science to our young people, giving them an incentive and an understanding for the need to continue their scientific education throughout their lives. Not only for careers in scientific fields but, to help them make intelligent decisions regarding ways and means of ensuring that science does not endanger life and destroy the environment. We, as amateurs can make important contributions to the future by taking positive steps in developing and supporting programs leading to introduction of young and old alike, to scientific knowledge using amateur radio as a gateway.

### THE JOURNAL HAS A DIFFERENT APPEARANCE!

The last two issues of the Journal have been 52-page editions. It seems that more and more information is being received, and needs to be put into members hands. The only problem is that our costs run pretty high as pages are added. Since we print about 10,500 copies of the Journal, a single page increase means a very large increase in the amount of paper needed. We have reworked the layout of the Journal and the page headings which have been omitted in this issue required 1 1/4 inches - for about 40 pages. By reducing the page headings to a minimum we save nearly 4 pages of the Journal which can be used for important material. White space will be strictly limited.

We receive a great deal of material which we have edited only minimally in the past but which we will submit to a much sharper pencil in the future. We must do all that we can to conserve space and maintain a good appearing, readable Journal. We will be working toward that end. You may find some of your submissions edited rather sharply. We apologize and ask your indulgence.

In line with this effort will be our desire to bring you stories and special features that make the Journal readable to all. We'll do our best to insure that feature material is interesting and useful.

We ask that pictures of Chapter reports be planned to conserve space - if two members receive an award, shoot them both in one picture, rather than sending in two shots. It will all help to keep costs down, and still give us a QCWA Journal of which we can be proud..



## EDITORIAL MUSINGS

A short and pointed note received at QCWA headquarters on the 5th (Feb) made us sharply aware of the persistent and dedicated effort given to the public service aspect of Ham radio by many of us amateurs. Charles Krause, N7ESJ (20698) suggested that we might like to read something about the patriotic hams living along the "Grand Strand". Attached was a newspaper clipping describing the appreciation of the wife of Sgt. Samuel Solomon, serving in Saudi Arabia. Bob Gagliardi, a MARS affiliate had received a message from Solomon to his wife, Pamela of Conway, SC. Another ham in the area, Scott Lawrence, of Myrtle Beach reports that he has been relaying much traffic from the troops, spending about 5 hours daily. Ray Finch, Secretary/Treasurer of the North Myrtle Beach VHF Club reports operating nightly for two hours relaying messages from the Army bases. Gagliardi checks with Fort Bragg twice daily for messages to be delivered.

This sort of quiet activity goes on hourly, daily, weekly and throughout the year. Most of us do not hear about it, but it's there, serving the public, bringing messages of love, hope and, yes, fear to our servicemen and their families. A gold star to all who give of their time to this most worthwhile effort.

The story was published in the Sun News, Myrtle Beach, SC, for January 24, 1991.

During the past fifteen years QCWA has received a number of gifts of issues of the ARRL publication, QST. Quite often these would appear as a grocery sack, or cardboard box with a dozen or a hundred issues. Many times they were mixed, and in many cases would be in broken runs, that is, perhaps 8 copies from one year, 6 from another and so on. We have kept and stored these for a long time. More recently we have been given some quite large sets - such as all volumes from 1936 through 1975, etc. We have, through the years, been able to put complete years in binders which have been given, so that our QST shelves are very usable and serve us well as a research cache.

A very important service QCWA Chapters can render to the amateur fraternity in their area is to assemble and maintain a library of amateur reference material which would include a substantial number of volumes of QST. These could be catalogued properly and amateurs in each Chapter area could be made aware that QCWA has a library in which they may search for information about an old circuit, or Silent Keys, or anything else that might be of interest. Here in the Dallas area hams come quite often to QCWA headquarters to see about something in the QCWA library. In connection with this thought and in a recent discussion with QCWA President, Harry Dannals, W2HD, it occurred to us that Chapters of QCWA might actually be assembling volumes of QST for the use of their members, and of local amateurs in their area (a very worthy cause) and that we might be able to help. To this end it pleases us to announce that QCWA will be happy to share our surplus or duplicate issues of QST with Chapters who are actively seeking to get their historical library into usable shape. So if your Chapter is working to establish a library, and if you need some volumes of QST to fill out your set, we may have them. Send a list of your needs to QCWA, Inc, listing those required. We will advise you of those we have in

your list and work with you to get them into your hands. The only cost involved would be shipping, and a volume of QST can be sent most anyplace via UPS (treasonous thought) at a very reasonable price.

As we have often mentioned, we can use and need any callbooks that you might have and are willing to pass along to us. We really do wear them out in using them for QCWA members research. Send any and all to QCWA, Inc. We'll appreciate them very much!

A bill has been introduced into the House of Representatives, HR-73, having as its aim, to guarantee that amateur radio will not lose spectrum space in future allocation activities of the FCC. Your editor has been advised that QCWA has not taken a stand on the proposed legislation, and has been requested to state that QCWA members who write to their representative regarding House Bill HR-73 refrain from identifying QCWA in connection with their comments, pro or con.

In this issue of the Journal we have listed members of QCWA who have signified their willingness to serve QCWA as elected representatives. We beg each of you, members of QCWA to exercise your right to vote on their election but -- even more, we urge you to accept your responsibility to vote as informed members of QCWA. We are rapidly becoming recognized as a powerful and important part of amateur radio. It is therefore necessary that we elect the best possible people to serve as our representatives. If there is a question in your mind about their qualifications or past performance, go to them, request and get an explanation of their decision(s). When you vote be certain you have voted for the candidate for each position who, in your opinion will best serve QCWA in the coming years. The actions and policies adopted now will be laying groundwork for roll QCWA will have in the future of Amateur Radio.

There is nothing in the world that is wholly without merit. Even the most miserable event, or location, or individual can and do display moments or characteristics of good. So it is with the UPS/220 MHz debacle. We appear to have lost, without a chance of recovery, 2/5 of a portion of the spectrum we have been using for a long time. But, in so doing we have gained the exclusive privileges of the remaining 3/5 of the channel space. Exclusivity is a very meaningful and valuable asset to any frequency allocation. It is not given promiscuously . . . i.e., TV channels, worth multi-millions of dollars are repeated from coast to coast, broadcast licensees for AM frequencies worth millions, daily face challenges from newcomers wanting some of the gravy and, even UPS did not get exclusivity in their new acquisition. Let's face the facts, we have a respectable band of frequencies 222 - 225 MHz. Let's now employ our much praised expertise and capitalize on the centuries of experience we have and start using our frequencies in an efficient manner. For instance, how can we, in a metropolitan area, justify a 50-watt repeater at 1000' handling only 1 QSO at a time? Commercial interests have found cellular techniques not only profitable, but workable. Isn't it time we began to make some real improvements in our procedures. It seems unlikely that we are going to be given a bonanza of spectrum space - if the Amateur Service is to have space to grow it seems imperative that we improve our techniques.



## 1991 QCWA GENERAL ELECTION

## INTRODUCTION TO CANDIDATES

## For President

Harry J. Dannals, W2HD, first licensed in 1946 as W2TUK, Harry received the call W2HD in 1976. He is the son of Silent Key and QCWA Charter Member W2GG/K4GG; the brother of W2DRL and FO8JB, also a Silent Key, and the father of WA2FEW and WB2UZU, a recent new member of QCWA.

Active on all bands from 160 meter through 450 MHz, he has enjoyed almost every facet of the hobby from public service through contests and rag-chewing. Active from his retirement location on six acres in Charlottesville, Virginia, a little more than 100 miles from Washington, he is now a member of Chapter 155.



A Life Member of QCWA, he has served as chairman of the Long Island Chapter and as an elected director of the QCWA Board. He is currently the incumbent QCWA president. For more than 40 years he has been involved in active roles with the ARRL. Some of the volunteer offices held were: Section communications Manager, NYC-LI; Vice Director, Hudson Division; ARRL Hudson Division Director and ARRL President (1972-1982). He is presently ARRL President Emeritus, 1984 to date.

Retired from Sperry (now called Unisys) after more than 38 years of service as a senior engineer working in radar, avionics, underwater communications systems, vehicular traffic control and missile control equipment, he has now shifted gears and enjoys retirement with his wife, Kay. Kay and Harry have two sons and two daughters and ten grandchildren. He thanks Kay for her many years of patience and understanding which permitted involvement in so many Amateur Radio volunteer activities.

Harry is also retired from the U. S. Naval Reserve where he held the rank of Commander. During a busy regular and reserve career, spanning teens to retirement, he was a radio operator, electronic/radio instructor and finally commanding officer of two radio communications activities on Long Island.

"If reelected to the presidency of QCWA, I believe my prior management experience in Amateur Radio will continue to permit me to work effectively with our Board in the development and promotion of activities and programs which will enhance the image of our organization while providing a service to the Amateur Radio community. We should continue to look toward utilizing the vast knowledge and experience of our members in the promotion of our hobby and service among those in their formative years as well as those in their golden years. QCWA has the talent available in its membership to provide encouragement, leadership, involvement and a helping hand to those interested in our hobby, especially during these trying times. Let's reach out and strengthen Amateur Radio for its continued success!"

## For Vice President

LEW MC COY, W1ICP was first licensed as W9FHZ (Chicago) and later W0ICP (Missouri). He holds an amateur Extra Class license. W1ICP is a member of numerous amateur and professional organizations, and holder of the Dayton Technical Achievement award (1988), plus life membership in QCWA. In 1949 he went to work for the American Radio Relay League Headquarters in the ARRL Technical Department where he remained until retiring in 1980 as Senior Asst. Technical Editor. After retiring with 30 plus years from ARRL, he accepted the position of Technical Editor of CQ magazine and continues in that post today.



As Lew says, "I have been asked by the nominating committee to run for the office of vice president. I consider this a high honor indeed. What are my qualifications? Let's talk about experience. At present, I am the senior director on the QCWA Board, with nearly eight years of experience. I have served faithfully and diligently on nearly all of the various committees, either as a member or chairman. Some of these include finance, scholarship, membership, etc. I feel I am extremely well educated in the affairs and history of QCWA. At present, I am chairman of the Finance and Administration committee and as such, have an excellent working record with our president, officers, and the Board.

In addition to being a writer and lecturer in my years at ARRL, one of my duties involved working with the FCC during the early 50s when TVI was such a threat. Later, as many of you remember, the amateur fraternity was hit with impossible rules governing FM repeater operation and licensing. As QST FM Editor, one of my important jobs was to get these rules relaxed or eliminated and break the log jam of repeater licensing--in which I was successful.

I was instrumental in getting these FCC rules changed so that we could have cross-banding, linking of repeaters, and so on. Those who know me well are aware that I have had an excellent working rapport with the FCC and continue to do so.

From a business standpoint, I have been a member of the QCWA Finance Committee for several years. In my personal business life, I have been extremely successful.

At present, I am Technical Editor of CQ magazine and having the job keeps me current in amateur affairs of both a technical and political nature. I have enjoyed being a director of QCWA for the past eight years and have tried hard to serve the membership. If elected I promise to continue to work hard for QCWA. I thank you for your vote.

Listing of Candidates continues on Page 8. Ballots will be mailed about May 1, watch for yours, choose your candidate(s) and vote early!



## For Vice President

ARTHUR KAY, W5APX, first licensed in 1926 as 4ACC, Extra Class license, residing in the State of Tennessee. I am a life member of QCWA, ARRL, SOWP, OOTC, NRA, Texas Rifle Association. A member of Radio Club of America and, I am serving my 6th year as a Director of QCWA. I am asking you to consider my record and to support me as your candidate for the office of Vice President of QCWA for the following reasons:



I am a retired, successful businessman specializing in radio communications systems, police and broadcast and in the design, sales and service of land mobile radio. I have worked on a number of projects aiming to preserve amateur radio. To name a few:

1. The battle to keep 160 meters. I obtained letters of congressional and senate support and filed comments. The activity was partially successful
2. Obtained letters of support for four cities and one county in support of amateur antenna tower rights and filed material and comments with the FCC, contributing to the success of PRB-1.
3. Was actively involved in the defeat of the original FCC no-code proposal. Obtained letters of support from congressmen and senators, and hundreds of letters from amateurs.
4. Worked hard to defeat the FCC gift to UPS of part of our 220-225 MHz band, obtaining letters of support from congressional and senate members.
5. Worked in cooperation with the ARRL in the successful effort to kill the FCC amateur licensing fee proposal. We won!
6. I am at present doing all I can to promote favorable action on HR73, "The Amateur Radio Spectrum Protection Act of 1991." I asked my congressman to introduce the legislation, which he did, and am now actively involved in obtaining as many co-sponsors as possible. I will also be involved in following the companion bill through the Senate.

I believe that we (all 460,000) amateurs must stand up and fight for Amateur Radio - History demonstrates that if we don't fight, we lose spectrum space to commercial interests! Apathy is our enemy. The job requires all of us to pitch in, a few just can't get the job done. Amateur radio has played an important part in my entire life. I want to preserve it for ourselves and our children in the future. My opponent is a brilliant technical writer-lecturer but, I have not seen him fighting on the front-lines. You have a choice in the selection of Vice President! My record is to stand up and fight for what I believe to be right - Please vote your choice!

## For Secretary

JOHN SWAFFORD, W4HU, first licensed W9KRV in 1940. Extra class license, State of Virginia. Incumbent Secretary, elected in

1989.

John worked as a commercial radio operator in airlines. Broadcast engineer for 6 1/2 years. Entered Government service during Korean conflict - served with U.S. Army Signal Engineering Agency as communications specialist. Completed Government service with Department of State in the Office of Communications.



He is serving his second term as President of Vic Clark Chapter 91 and is Trustee to the Foundation for Amateur Radio for DOSARC and QCWA. John is active in the Air Force MARS, SOWP and QCWA nets. He is Vice President for Awards for SOWP.

"If re-elected Secretary of QCWA I will continue my duties with a view toward improvement. Will continue to assist members and chapters in fulfilling their obligations and goals".

## For Treasurer

Wesley Randles, W4COW, residing the the states of Florida & New Hampshire. Wes has served as Treasurer of QCWA since March of 1982. He installed a full accounting practice in QCWA and handled the investment of QCWA funds for the past eight years.



Born in Kent, Ohio and raised in Florida, Wes was first licensed in 1933 as W4COW and holds the advanced class license. He worked in broadcasting from 1929 until 1942, joining the Raytheon Company at that time and remaining associated with Raytheon until retirement in 1980. While with Raytheon he was directly involved in Engineering Management and financial planning. He has completed courses in accounting and accounting practices at Northeastern University and Harvard Business School. His years of working have been in the communications and electronics fields. He has held additional calls W8FEX, KL7CBZ and K1HTK.

Wes' QCWA No. is 2440 and he was one of the founders of Yankee Chapter 112 in New England and was its first President. He also advised and assisted in organization and founding of several other chapters in New England and in Florida. He served as Activities Manager of QCWA from 1979; to 1982. He is a member of ARRL, a life Member of OOTC and QCWA. He is active in Masonic bodies and is a Shriner. Wes' wife Blanche is also a member of QCWA and licensed for over 36 years with the call W4GXZ. Wes and Blanche are both active on the air and visit many QCWA chapters each year. Wes pledges to continue his effort on behalf of QCWA.



## For Treasurer

**JOHN LINDELL, W0YCY.** 52 years of age, born 1938 at Ravenna, Nebraska. licensed October, 1954, a Life member of QCWA and ARRL. Currently live and own a CPA practice in Port Arthur, Texas. Have been a Boy Scout Merit Badge advisor for Radio & business Merit Badges. Held classes on becoming a ham, and teach morse code. Graduated 1960, University of Nebraska, 1962 received CPA Certificate #607 in Nebraska. Am also licensed in Iowa, Florida, Mississippi, Louisiana and Texas. Have owned a CPA firm since 1962 in Nebraska and in Texas.



Very active in Nebraska CPA Society on Board of Directors and Committees including 3 years as Federal and State Taxation Chairman. For twenty-five years have attended annual New York University Federal Tax Institute. Extensive computer use employed in accounting practice, fax machines, and modems for out of office work and have taught modem usage to Reserve and Active Navy personnel.

Enlisted in Navy Reserves at 17 because I wanted to be like my father and because of Ham radio. Qualified as a Cryptologic Technician-Receiving Branch at 30 GPM morse code. Appointed Ensign cryptology, 1615 in 1967, twenty years later promoted to rank of Captain, 1615, USNR. Served as Senior Assistant for Cryptology to Naval Reserve Readiness Command Region 18, Olathe, Kansas for the last 2 1/2 years. Was Commanding Officer of NRSB units in Lincoln, Nebraska and Austin, Texas. Currently serving in NR SECGRU VTU 106, Adelphi, Maryland, flying to DC quarterly for drills.

Life member of Naval Reserve Association, US Naval Order, and the Naval Institute. Annually published by the Naval reserve Association on Tax problems of Naval Reservists for 15 years. Published on tax matters by Prentice Hall and Army, Air Force and Navy Times.

Elected Nebraska State Treasurer United Methodist Men for 5 years. Past Secretary of a local Nebraska County-wide Farmers Mutual Insurance Company for 19 years while running CPA practice. Handled all investment of funds for both organizations. Active in Masonic bodies - Blue Lodge, Scottish and York Rites, York Rite College, Shrine, Jesters and Grotto. Have held principal office in each York Rite body in Port Arthur, Texas.

My wife, Maureen is originally from Vermont and has learned a lot about mobile operations which is one of my favorite forms of operation.

I want to serve the membership of QCWA as Treasurer. I bring unique qualifications as a C.P.A. with a strong accounting and tax background. The 90's will be very important to the future of Ham radio and to QCWA. I want to help make the future and share my expertise with the Association. Thank you!

## For Director

**JOHN WEBER, KA2IXW / VP2VD.** First licensed in 1953, general class. A resident of New York City, a member of ARRL, RCA and Life Member, QCWA.

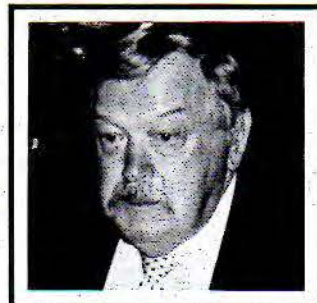


### WHY I AM STANDING FOR ELECTION:

1. I am committed to QCWA
2. I have been selected by the National committee to run for four consecutive years either as a candidate for Director or Vice-President.
3. I have been the President of the Founders' Chapter #46 for the last six years in New York City.
4. I am relatively young with ensuant energy and ideas.
5. As President and C.E.O. of a multi-national corporation I have twenty years experience interacting with the international public and private sector.

## For Director

**WALTER L. BRINK, W3WPY,** incumbent director and candidate for re-election to the office of director. First licensed in 1951 as W7PLT, and Advanced class since 1952. Other calls held were W3CHI, W0CUH and W3WPY since 1965. A Life member of QCWA, Charter member of Del-Mar-Va Chapter 150, and presently serving second term as President.



I began a professional music career at age 15, playing Tuba and String Bass with Lawrence Welk, Stan Kenton, Blue Barron and Boyd Rayburn Orchestras. Performed as a Tuba soloist with many mid-west concert bands and symphonies and in 1965 joined the Washington Redskins Band as soloist and principal Tuba, until retirement in 1982.

After discharge from the Air Corps in 1945, I joined Chrysler Motors Corporation, as a Parts and Service representative, and became a member of a trouble shooting group known as "The Real Men". In 1965 I joined a 6 dealership automotive group, serving as Director of Parts and Service, until retirement in 1982 when we moved to the Eastern Shore of Maryland.

I have taken an active part in the past six National QCWA Conventions, and served as the assistant chairman of the 1988 nominating committee. I am a rotating Net Control station for the QCWA International Net on 14,347 kHz. Other than QCWA, I work DX, attend Winston Cup auto races, and collect historic American flags which fly daily at 50 feet.

If re-elected, I pledge to continue communication with QCWA members via letters, Net check-in on regional nets and personal attendance at Chapter meetings and hamfests. QCWA is my only agenda and I will strive to keep it as the premier amateur radio organization in the world.



## For Director

JOHN J "JACK" KELLEHER, W4ZC, first licensed as W2DSV in 1932, (other calls W5FIP, W4JSJ, W4RAE), Extra Class, State of Maryland. Incumbent Director of QCWA. He is active on all HF bands and on 2 meters. Enjoys nets, rag-chewing, and DX. He is a life member of ARRL and of QCWA, Senior Vice President of the Society of Wireless Pioneers, Past president of Vic Clark Chapter 91 of QCWA and was General Chairman of the 1988 QCWA National Convention.



Enlistee U.S. Army Signal Corps

1932 - 1937, CW operator and technician at WVB, Ft. Sam Houston Texas, later, instructor at Signal School, Ft Monmouth. CW operator RCA Communications, New York 1937 - 1940. Federal civil service 1940 - 1969 as electronics engineer with Signal Corps ('40-'62) and NASA ('62-'69) involved in research, development and test of tactical radio and radar equipment, communications satellites, and radio propagation. Private sector 1969 - present as engineer and consultant. Member of numerous U.S. delegations to CCIR and ITU conferences, past chairman U.S. CCIR Study Group 2 (Space Research and Radioastronomy). Jack is a Life Fellow of IEEE and Past Chairman of IEEE's National Capital Area Council.

If re-elected he intends to help attract new members to QCWA; to acquaint younger amateurs with the advantages of membership when they become eligible; and to increase the international recognition of and membership in QCWA.

## For Director

JOHN "WONDY" WONDERGEM, K5KR, Extra Class, first licensed in 1940 as W1NDA in Massachusetts. Currently a resident of Louisiana. Formerly J9ANG, W5RKR, W5UM and ZF2FO. Life member QCWA and ARRL. Founder and past president of QCWA Chapter 172, New Orleans. Past President of New Orleans Chapter OOTC. Three times past president of Delta DX Association. ARRL Affiliated Club Coordinator. Currently in tenth consecutive and final years as ARRL Section Manager for Louisiana.



Retired in 1974 as Captain, USN after serving over 30 years in the U.S. Navy in various command and staff assignments. Post graduate education in organization, administration and management. Currently active as a real estate investor and real estate management.

I am active daily on CW, SSB, RTTY, PACKET and VHF with ARRL Honor Roll on both phone and CW. Rag chewing is my favorite. My XYL Shirley, holds an Advanced license and is also very active on SSB, RTTY and VHF. In fact it's often a problem to

see who gets to use the rig. We both attend many hamfests throughout the States each year.

I am very interested in the many different activities that make up amateur radio and enjoy the opportunity to exchange experiences and opinions with other amateurs that are enthusiastic about the welfare and future of our hobby. I enjoy QCWA and have been particularly impressed with the mature and thoughtful discussion by QCWA members regarding some of our present problems and future course. I have extensive experience over many years as an active amateur as well as broad experience in electronics, communications and volunteer work. I would like to see the QCWA remain as a strong amateur social organization and a recognized group that is able to influence our future. I would enjoy the opportunity to represent the members as a QCWA Director and participate in each of the Director's meetings.

## For Director

ROBERT E. RAY, W5ZMI, was first licensed 1953, and holds an Advanced Class license. Robert is a Life member of QCWA and a former member of Chapters 5 and 7. He is a member of Chapter 41 and has served as Vice President of Chapter 5 and Vice President of the Council of North-eastern Chapters of QCWA (CONEX).

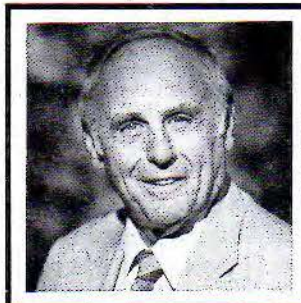


Bob is a graduate of the University of Texas, with a Degree in Engineering. He is a Registered Professional Engineer. He recently retired following a long career with RCA and GE. He is a retired Captain from the United States Air Force. Bob is an active Ham and supports with enthusiasm and participation, the affairs of QCWA.

"If elected as one of your Directors, I will strive to make QCWA global in scope and appealing to all qualified prospective members. I have recently retired and will be able to devote the amount of time required of the Directorship. I will appreciate your support.

## For Director

HARRY S. GARTSMAN, W6ATC, first licensed in 1933 as W9OFZ, Advanced Class license, living in the state of California. Was recruited into QCWA by David Talley, W2PF as a life member. Was first elected Director outside of New York area from the west coast. Served as Vice President to Barry Goldwater and Vice President to Frank Gunther and served two terms as President of QCWA



Harry is a Life member of ARRL, AMSAT, a Life member and Fellow of Radio Club of America. A member of RSGB and the Amateur Radio Mobile Society of London and a Director of OOTC. Am an



active amateur on all bands, fixed and mobile up to 1.2 GHz.

Harry is active in promoting amateur radio and has supported efforts to control intrusion on amateur frequencies by commercial interests. He has worked in support of efforts to defeat zoning legislation which would restrict amateur tower construction.

Harry is an eyeball DXer in many countries, talking up QCWA and ham radio. He has operated many years as FOIS in France and as ZF2FA in the Cayman Islands and 5Z4EK in Kenya.

If elected as your Director, I will do everything possible to enlarge the horizons and build the prestige of QCWA throughout the world.

### For Director

BILL STEVENS, W6ZM, was first licensed in June, 1934, Extra Class, State of California. Life Member of ARRL and QCWA (2129), MA Degree, Stanford University, retired from Public High School as Electronics Instructor; served as ARRL Director of Pacific Division for four consecutive two-year terms and a two-year term as ARRL Vice President. I was a founding member of QCWA Northern California Chapter No. 11; Top DXCC Honor Roll; Life Member Northern California DX Club; Member 10-10 International Net, #10715.



Amateur Radio has been an integral part of my life since my father introduced me to the service by taking me to a meeting of the Santa Clara County Amateur Radio Association. I have served this club by reorganizing it after World War II and since have served over the years as its President three times. On a world trip; I held the following licenses: W6ZM/LA; W6ZM/DL; 3A0FD, PA9LF, ON8VO, G5AQT and guest operator at VU2KV, 9N2MM and VS2SS. On another trip I was ZM0ZZM, "down under". Presently my station activity is between 80 and 3/4 meters.

I am now ready to accept the challenge of serving as your Director of QCWA for the ensuing term, during which I will work hard to strengthen the QCWA in our own fifty states as well as foreign countries.

### For Director

ART MILIGAN, W8KW, first licensed in 1928, holding the Extra Class license, Art operates on all bands. He is a Charter Life Member of ARRL and a Life member of QCWA. He participates in many local amateur radio organizations and was active in the Dayton Hamvention for a number of years.



Art was a sea-going radio Officer during the years 1940-1949

and has operated his own business for many years. He was the first QCWA Director elected outside the New York area, serving on the Board from 1968 through 1980. During the years he served QCWA, Art believed that QCWA is primarily a social organization and that the least government is the best government. Through the years he served, QCWA grew from a small organization of less than 5000 members to a membership of more than 15,000, and many new local chapters were brought into being.

If elected as your Director, Art states that he will work to expand the membership of QCWA, and to bring the attention of amateurs everywhere to the advantages of becoming a QCWA member.

## IMPORTANT INFORMATION ON THE 1991

### QCWA ELECTION

The previous pages have listed candidates that have been duly nominated as candidates for officer & Director seats in QCWA. As members, each of us has the responsibility to read about them, and of their goals for QCWA, and upon making a decision as to which candidate(s) you like, to make certain that you cast your ballot.

To help you, the following information applies to the 1991 election:

1. The odd-year election (1991) will see election of all Officer positions and 5 Directors.
2. Ballots will be sent to all eligible members of QCWA on or about May 1, 1991.
3. Your ballot will be of the open-card variety, self addressed and will require you to place a 19-cent stamp on it so that Uncle Sam will deliver it.
4. There are alternate candidates for most of the positions to be filled.
5. You may vote for one, two, three, etc., of the candidates listed on the ballot. While desirable, you are not required to cast a vote for each elective office.
6. If you vote for more than 5 candidates for the office of Director your ballot will be disallowed and rejected.
7. QCWA polls will close July 15, 1991 at midnight.
8. Election results will be telephoned to all candidates no later than July 20, 1991, and will be announced in a preliminary form on the Sunday Afternoon Net, 14347 kHz, July 21, 1991.
9. Watch for your ballot - mark it and mail as promptly as possible.



## AMATEUR SATELLITE NEWS

by

W5IU

## NEW BIRDS IN '91

After a very successful year in '90 that saw the launch of seven amateur radio satellites and one Shuttle Amateur Radio Experiment (SAREX), 1991 is off to a good start. On January 29, 1991, the Russians launched a new amateur radio satellite payload on-board their new GEOS spaceframe. This new amateur radio satellite was developed jointly by AMAST-U-ORBITA in the Soviet Union and AMSAT-DL in Germany. Prior to launch, this "bird" had been known as RS-14, Radio M-1, and RUDAK-2. Now in orbit, it is known as AMSAT-OSCAR-21 (AO-21). This "bird" contains both linear and digital transponders operating in Mode B (70cm uplink and 2m downlink). As of this writing (Feb. 10), the basic transponders have been tested briefly for function and appear to be healthy; however, they are not yet available for general use.

Only eight days later, February 5, 1991, the Russians launched RS-12/13. This clone of RS-10/11 has been awaiting launch for some time. Again, it is "piggyback" on another payload. Like AO-21, the transponders have been tested briefly, but they are not in general use yet. Like RS-10/11, this "bird" contains Modes A, K, and T along with a CW ROBOT. The addition of this new "bird" will give the amateur radio satellite community another "Easy Bird" to help those of us just starting to work amateur radio satellites.

In December, 1990, Musa Manarov, U2MIR, returned to the Soviet Space Station, MIR. Since his return, he has been making many voice QSO's on 145.550 mhz FM. Starting in late January, 1991, he has had packet radio equipment on board and has been making many packet radio "connects." Operation so far has been on 145.550 mhz simplex and "connects" can be made to both U2MIR and U2MIR-1. U2MIR-1 is the personal mailbox address. Plans have been made to expand his packet radio capabilities in the future. When you are up and about, keep your 2m FM rig or scanner set on 145.550 mhz and listen for Musa. It is also possible to visually see MIR on some passes just before Sunup and just after Sundown so you may be able to see him and work him on the same pass.

Another SAREX operation is scheduled for the STS-37 mission of the Space Shuttle Atlantis. This launch is tentatively set for April, 1991. Ken Cameron, KB5AWP, and his crew of amateur radio operator astronauts will have all of the capabilities of the STS-35 flight plus ATV. Other hams on board will be Steve Nagel, N5RAW, Linda Godwin, N4RAX, and Jay Apt, N5QWL. Let's give this crew a warm welcome.

## SAREX - Columbia's STS-35 Mission

Dr. Ron Parise, WA4SIR, described SAREX as: "It's the Ultimate DXpedition!" A lot has already been written about the successful SAREX operations from Columbia's STS-35 mission so I won't go over the details. Instead I will attempt to relate the SAREX operations to those of working a DXpedition from the experiences of a couple of QCWA members. The equipment was

different but the thrill of the chase was still there.

My own experience started with an abortive attempt to watch the launch on TV from a hotel room in Southern California. CNN was not available in my room and I had to be satisfied with a simple statement over network news that the launch was a success. When I arrived back in Texas Sunday evening, the first item on my priorities was to put the Keplerian Data in the computer and see when the next pass was coming over. Wonder of wonders, I heard packets on the first attempt; however, I had not used my TNC for some time and I had to busy myself hooking it back up again. Having obtained a new copy of Joe Kasser's LAN-LINK software, I decided to install it for use since it sported a new SAREX Attack Mode. I spent the next pass trying to get the TNC and the new software working together. By this time it was Midnight and I still did not have everything working for the next pass so I decided to try it in manual mode. Naturally, the SAREX Robot was not on for that pass. Not wanting to give up easy, I decided to stay up for the next pass at around 3:00 AM even though I had to go to work Monday morning. On the 3:00 AM pass I was rewarded with:

\*\*\* CONNECTED to WA4SIR

#89-is your SAREX QSO number.

Thanks for the connect

from the Space Shuttle Columbia.

I was overjoyed with my success and went to bed secure in the knowledge that I had snagged the "rare one."

The next day in reviewing my success with others, my balloon was broken. It seems as though I had not seen a DISCONNECT message leaving some doubt that I was really in the computer log. I had not copied any of the QRZ or QSL lists either. Work commitments (a switch to third shift in mid-week) kept me from making another attempt until the following Friday night. As luck would have it, I did not hear the Robot on any pass Friday night. By Saturday I was beginning to worry that I might not make it. Several opportunities went by in the early evening (before Midnight) without hearing the SAREX Robot; however, I did hear a relay via a teleconference bridge with Australia and WA3NAN on twenty meters of the evenings activity with school kids in the USA and Ron aboard the Shuttle while it was over Australia. At 0208 AM Sunday morning I heard the Robot on during a 4 degree peak elevation pass for me with the Shuttle Southwest of me over Mexico and the Gulf of Mexico. I made an attempt and was rewarded with the "Whole Enchilada," a CONNECT, message number 1486, and the elusive automatic DISCONNECT. The following evening (actually Monday morning at 0055 AM) I heard what turned out to be the last available pass within range of my QTH in which the Robot was on. On this pass I copied both a QRZ list and a QSL list. My call was in the QSL list confirming a two way "Gold Star" contact.

Bob Douglas, W5GEL, of Corpus Christi, TX, had an initial experience similar to mine on the first Sunday evening. Bob was ready and made the first connect earlier in the evening than I did; therefore, he got to bed at a decent hour. Being an honest and conscientious person, Bob did not make another attempt because he didn't want to ruin some less fortunate persons chance at a QSO with the Shuttle. Later in the week Bob decided to help out Hallye, WB5NLY, his lovely wife of many years. This time he made a full two way "Gold Star" contact using Hallye's call. Post



(Satellites, Continued)

mission analysis shows that Bob at least made the "incomplete logging info available" list while Hallye got the "Gold Star." Bob is a DX'er of long standing - DXCC Honor Roll etc. - but this rare one escaped his log. Of course, being gentlemen, none of us would remind him of Hallye's success. After the Shuttle landed and the log was examined, 238 stations in 27 countries were in the log. Of these, only 60 stations were in mainland USA. DX stations had a much easier time making connects. The competition within the USA was fierce. With FM, the strongest signal captures the receiver. As Joe Kasser, W3/G3ZCZ, put it: "The stations with the large antennas and big amplifiers capture the receiver." Stations located in densely populated areas (the Eastern Seaboard for example) had a very difficult time. My last opportunity with the Shuttle out over the Gulf of Mexico in the "wee hours of the morning" made the connect possible even though the Shuttle was at low elevation. Another complicating factor on this mission was the unusual attitudes the Shuttle had to assume to accommodate the primary ASTRO-1 scientific payload. Due to these attitudes, the SAREX antenna was frequently looking out into deep space instead of back at Earth. To those that didn't make the "Gold Star" list, practice with MIR and try again with STS-37.

#### TYLER, TX, AMATEUR RADIO SATELLITE WORKSHOP

The idea of a "hands-on" amateur satellite workshop in the North Texas area was conceived by Bob Lobaugh, W5JYJ, of the Tyler, TX, Amateur Radio Club. Bob made his proposal to Doug Loughmiller, KO5I, and Keith Pugh, W5IU, at various hamfests in Texas over the past year. Doug agreed that AMSAT-NA would co-sponsor the event. The Tyler Amateur Radio Club made the arrangements with the Tyler Junior College for the meeting place and all arrangements for lodging, meals, etc. AMSAT-NA provided the program, station equipment, etc. The program concept was to provide a series of beginners level classroom presentations supplemented by "live" demonstrations with the various amateur radio and weather satellites. Following this activity, a dinner was planned as a break before an all night operating session through the "birds" from the workshop motel. This was a fairly ambitious program; however, it came off with very few "hitches." The activities at Tyler Junior College were very well received by approximately 60 interested hams and students. After a slightly delayed start caused by W5IU mis-setting the hotel alarm clock, the station was set up just in time for a successful check-in to the AMSAT OPS net via AO-13. The workshop was "kicked off" by remarks from Bob Lobaugh who introduced Doug Loughmiller. After a few remarks, Doug showed an excellent new video tape on the history and status of the Amateur Radio Satellite Program. This new tape had been recently presented before the FCC to bring them up to speed on our activities. The program then proceeded on schedule with talks and live demos of UO-11 telemetry capture, DOVE telemetry capture, and an attempt at AO-16 operation. A "hitch" developed here in that the equipment and software used for the demo was being integrated on site for the first time. This attempt did not produce good results; however, the classroom presentation by Frank Perkins, WB5IPM, was well received and the demo was successfully accomplished during the lunch break on the next satellite pass. The afternoon activities proceeded without further "hitches" and were highlighted by an excellent weather satellite presentation by Jeff Wallach, N5ITU, complete with live NOAA-11 weather pictures and the "Easy Bird" RS-10/11 de-

mos. During the RS-10/11 demos, contacts were made from the TJC demonstration station and from N5LKJ's mobile. We even made a contact "the hard way" between the demonstration station and N5LKJ's mobile. A de-briefing on the days activities was held at the conclusion of the program. The consensus was that the activity was very beneficial and worthy of future scheduling of more events of this type. Anyone that went hungry after the buffet dinner at "Sweet Sue's Family Restaurant" had only themselves to blame. Doug topped off the dinner with a few remarks about his travels on behalf of the Amateur Radio Satellite Program including attending a hamfest in the USSR this past Summer. After dinner, the station was installed at the motel and a few die-hards stayed up all night operating. Several folks, including Bob Lobaugh, made their first ever contacts through Amateur Radio Satellites. All in all everyone had a good time. The logistics of this type of meeting are tough but the benefits are definitely worth it. If anyone out there would like to host a meeting of this type in your area, contact W5IU or your local AMSAT Area Coordinator. We will guarantee to try to arrange it.

#### PACSATS

While preaching the virtues of the Packet Radio Satellites, this author has been "sandbagging" for some time. I purchased a TAPR PSK Modem Kit approximately two years ago, but only recently completed it. I still do not have extensive experience with the PACSATS, but my feet are wet and progress is being made. It has been several years since I have assembled a kit of any substance. Most of my recent "home brew" has been antennas. It seems that in the interim years, components, PC boards, etc. have gotten smaller and eyesight has weakened. I'm sure that I am the only one that has these problems. In order to assemble this new kit I found it necessary to buy a much smaller, temperature controlled, soldering iron and a large magnifying glass with a circular florescent lamp around it. I am pleased to announce that the Modem worked the first time and it has since been aligned and interfaced with a PK-232 TNC. I now have the latest Microsat Ground Station Software and am playing "catch up" in learning to operate on the "digital birds." The operational capabilities of these "birds" are just beginning to be explored now that control is being turned over to an operations team and the developers are phasing out. As more users come on board we should see the benefits multiply with the imagination of the users.

See you on the "birds."

73 - Keith, W5IU

**Editors's Note:** This is the 9th in a series of articles prepared by Keith, W5IU. If you enjoy and want them to continue, drop a line to Keith - let him know that his efforts are appreciated.

Keith Pugh, W5IU

PO Box 121576

Fort Worth, TX 76121



## QCWA BOOK REVIEW

### REFLECTIONS - Transmission Lines & Antennas

by Walt Maxwell, W2DU

The long awaited book on SWR and antennas, by Walt Maxwell, W2DU, is now in print and I have the pleasure of reviewing it for the QCWA Journal. For those readers not familiar with Walt, he is a member of QCWA and a recipient of QCWA's Presidential Award for his many contributions to both amateur radio and the United States Space Program.

Walt has written many articles debunking the myths that have sprung up about standing wave ratio and its importance (or unimportance) in radio. His book contains 24 chapters, seven of which are his QST articles that have been reworked for book form, plus seventeen chapters of new information on many subjects, including verticals, baluns, and mobile antennas. In addition, a software disk for IBM and compatible is available (\$10.00) for those that have computers. The software is aimed at simplifying any mathematics encountered.

From my personal knowledge, I was afraid that Walt would come up with a book that could have overwhelmed the reader with math. However, such is not the case. After one reads the book, the only impression is one of a job very well done. Anyone can follow the clearly written explanations of the intricate problems of voltage and current ratios encountered in SWR and feed line work.

If you are interested in antennas and feed methods--and just about all of us are--then you must have this book in your library. For example, Maxwell clearly explains the phenomena of reflected power. As the designer of the Monimatch back in the 50's, I know I opened a Pandora's Box because simply, many amateurs started to believe the readings of feed line SWR meters when it came to reflected power. The misunderstanding about reflected power is very widespread and Walt, early on, undertook the education of the uneducated. His book is another step on this road. I can guarantee that any reader will become very savvy in a hurry.

Book reviews are tough to do because if one gives away too much of the contents, the potential of the book is lost. But I will give away one item in the book (and there are plenty) that is worth the price by itself. This has to do with vertical mobile antennas and grounds, plus other important losses. A common popular antenna for 80 mobile is a center loaded whip with a top hat just above the coil, plus a matching network at the base. Many hams assume this is the best but Maxwell shows in clear language how this can be an extremely lossy system, plus telling us to avoid the pitfalls. Likewise there is plenty of information on the "Maxwell" balun which is becoming so popular. This is the current type balun and complete construction information, numbers of ferrite beads to use, plus charts showing the advantage over the more common voltage balun.

As I said, it is an excellent handbook of over 380 pages. The book is available from your dealer. Price is \$20.00

Lew McCoy, W1ICP  
200 Idaho St, Silver City, NM 88061

## PETE BACKSTROM, W3DM - SK

QCWA has lost a dedicated officer. Pete Backstrom, W3DM, who had been admitted to the hospital for a checkup died, Friday morning, February 1, 1991, of a blood disorder resulting from previous surgery.

Pete was serving his first term as a Director in QCWA, and had been very active in the Pennsylvania/Ohio region. He was 73 years of age, and was first licensed in 1935 as W8NWB. We shall miss his friendly smile!

## W6FQ RECEIVES DISTINGUISHED SERVICE AWARD



Above, at left Herb Gleed, W6FQ receives the coveted Honor Award from Bob Rickey, NF6P, at a recent QCWA meeting. The Award was presented in recognition of Herb's long and devoted service to handling the Sunday afternoon QCWA on-the-air net.

## CHAPTER 41 FOUNDER HONORED

Dallas Chapter 41 membership recently requested the QCWA Meritorious Award for its Distinguished Founder, Paul Crossno, W5HT. Paul together with Charles Vanderpool, W5NT and J. B. McHale, W5JQY were the prime founders of one of QCWA's very successful Chapters. Through the work of these dedicated members, a total of 61 members signed the Charter application which resulted in a Charter issued on September 27, 1968

Paul, a long time Western Union engineer is pictured at right with the QCWA Meritorious Award. Chapters may request Headquarters to issue one Meritorious award annually to members they wish to honor.





## CHAPTER SECRETARY-TREASURERS FORUM

For this issue, we want to highlight one of the QCWA chapters that responded to our call for information about the activities in which their chapter is engaged. We hope you find some of the ideas being used to be worthy of consideration by your chapter. We also hope you will take time, very soon, to ask your Secretary/Treasurer to write and let us know what things your chapter is doing, so we can publish information about your chapter.

Jud Whatley, W4NZJ, is Secretary/Treasurer of Atlanta's Chapter 49. The Peach State has only one QCWA chapter, at this time, and Chapter 49 has almost tripled, according to Jud, the last three or four years. Like most QCWA chapters on the move, Chapter 49 is always seeking new ideas, and ways to improve existing programs to meet the needs of an expanding membership. Jud, and Chapter 49, would be interested in hearing from you and your chapter. You can write to:

Jud Whatley, W4NZJ  
Secretary/Treasurer, QCWA Chapter 49  
6 Windsor Drive  
Snellville, GA 30278

There are about 75 members in Chapter 49. The chapter elects a President, Vice President and Secretary/Treasurer every two years. The Chapter Executive Board consist of the three elected officers, plus the net manager and two members-at-large from the chapter.

Meetings:Chapter 49 always has quarterly meetings. Almost without exception, the meetings are held at a local restaurant which does not charge for the meeting room and has a variety of foods for those on special diets. The meeting times are set early enough so that members can reduce nighttime driving.

Programs:The programs for Chapter 49 are almost always related to amateur radio. An attempt is made to have programs which are not too technically oriented, in consideration for many guests and spouses who are encouraged to attend. During the meetings, it is common that photos are taken for use with articles submitted for publication in the QCWA Journal. The Chapter 49 Christmas Meeting is, by far, their most popular since gifts are shared, there is a visit from Santa, and the entire event is videotaped.

Door Prizes:During the quarterly meetings, drawings are held for door prizes. Chapter 49 recently started awarding the winner(s) coffee mugs with the QCWA logo printed on one side and Chapter 49's name on the reverse. Chapter 49 also awards QCWA hats to winners. Both have been very popular, and further promote QCWA and Chapter 49.

QCWA QSO Contest:Chapter 49 encourages all members to participate in the annual QCWA QSO contest. High

scoring Chapter 49 members receive locally produced certificates and plaques. This effort tends to promote competition and togetherness.

Chapter 49 SSB Net:Chapter 49 conducts a weekly SSB net on Saturdays allowing both members and visitors an opportunity to "ragchew" with others.

Quarterly Chapter Update:Each quarter, a brief bulletin is prepared and sent to all Chapter 49 members (metro and non-metro Atlanta members) about 10 days prior to scheduled quarterly meetings. This update summarizes recent event, recognizes new members, and tells of the coming meeting.

Local BBS QCWA Inserts:To increase publicity of QCWA and Chapter 49 activities, brief "E-Mail" inserts are placed on local Ham oriented electronic bulletin boards for accessing by computer users. This has helped us to "get the word" out about QCWA and Chapter 49.

Atlanta Hamfest Participation:Perhaps one of the most demanding but satisfying Chapter 49 activities is representing QCWA and the chapter at the huge Atlanta hamfest. This gives QCWA and Chapter 49 very high visibility and increases membership for not only the chapter, but for QCWA. QCWA members throughout the country always drop by to chat and see their friends. The chapter looks forward to this activity each year. It is not uncommon for the chapter to gain a half dozen or so new members, and for QCWA to gain a dozen or so new members each year, due to this event.

Future Goals:In the future Chapter 49 hopes to gain additional members, represent more areas throughout the state, increase attendance at quarterly meetings, and increase the number of check-ins during weekly nets. Chapter 49 would welcome suggestions from all chapters of QCWA throughout the world! Please write to Jud at the address above.

Thanks, Jud to you and Chapter 49 for this informative profile on your very fine chapter, and congratulations for being the first chapter to provide information for this column. Good Luck on your plans for this year, and for future growth!

Other chapters are encouraged to send their chapter profiles for publication. All comments and suggestions for chapter activities and chapter hints will be appreciated and used in this column.

Please Send Comments & Suggestions to:  
John R. Miller, W0IKT  
Tiffany Drive  
Anderson, SC 29625-1815



## CORRESPONDENCE

### TAKE OFF THE GLOVES!

Burton Willner, W6ITB  
8342 Crosstimers Dr, E, Jacksonville, FL 32244

The article in the Journal suggests that we shouldn't discipline the offenders for creating malicious interference on the operating frequencies we are now using. I strongly disagree with that approach. I'm a ham of 58 years and I have never seen anything accomplished by looking the other way. This is the way we handled it in the old days.

Every ham community, especially in the large cities, had a couple of very large men who were not only big, but very mean too. When a ham was making a nut of himself, the two big mean hams would make a friendly call on the offender. They would ask, in a non-threatening way, if he was aware of the situation. Depending on the way the offender responded, the following would take place. If the offender responded in a caustic manner, these big fellows would get up very close to the culprit and let him know that this disturbance was not taken lightly by the ham fraternity, and that they did not expect it to happen again. These were big and mean guys, and only once did they ever go back for a further discussion. I wonder how this would work today? With all the horror stories I hear now, turning the other cheek is not the way - What do you think?

### THE BRONX RADIO CLUB

Art Steinberg, W2SCA  
Jr Op, Bruce, N6LZ!  
720 S Federal Hwy, Hallandale, FL 33009

Reading the article about the Bronx Radio Club in the Winter, 1990 Journal brought to mind some facts that should be added.

The Club was organized 9/16/21, nearly 70 years ago. I remember the lectures we used to get from Sid Young White, who invented the Loftin-White circuit, the now very famous AFC circuit which he called "signal seeking" and who smoked two packs of cigarettes per lecture. I remember the Thanksgiving dinners Frank Frimmerman used to prepare for us. I recall we took the code machine, which was in the middle of the room, and turned it on at 75 wpm while Nat Burnett was reading a newspaper. When we stopped, Nat put his paper down and told us what was on the tape. Nat was and is one of the fastest CW men around.

How could one forget the wonderful 80th Birthday Party we gave Frank in Chinatown. I can go on and on, but I am taking up too much space. Some of the old members are still around - here they are:

Nat Burnett, K4OL, former ICT, a call issued by the Navy NAD in Boston, before the FCC was formed - also W2AGB, W2BB, W7OU and WGHN. Lou Retzkin, W2KHV (the kid) who would be thrown out of the club when some of the older members wanted to shoot craps; Bernie Goldstein, W2MNP; Monte Freedman, W4MGL, formerly W2ASI; Nat Sinreich, W4PVC, formerly W2AQA; Bob Hertzberg, K4JBI; Bill Kennedy, W2AS; Frank Lester, W4AMJ, formerly W2AMJ; Bob Newman, WA2IES; Len Kainen, N4UHK; Arthur Greenberg, W2LH, formerly 2AMW &

W2CYK; Jerry Martin, K4DI, formerly 2EE, W2ASG, K2JC, KZ5DI, OA4CS; Henry Trustman, WB2IDE. If I've forgotten anyone please forgive me. The old bean isn't what it used to be. If there are any more around, we'd like to hear from you!

### SOMETHING TO THINK ABOUT!

Ken Johnson, W6NKE  
1813 Moreno Dr, Simi Valley, CA 93063

Many of the conversations over the air, as well as much of the printed material one reads, is negative. Negative as to ham radio in general and its future. This is unfortunate as we U. S. Hams are very lucky! Anyone who has travelled in foreign countries or is familiar with ham conditions in them must realize that "we never had it so good"! In some countries hams are not permitted. In others one must be a member of the ruling class to obtain a license. In some a fee is charged for a license and additional fees are periodically charged during the license period. Anyone who has applied for a reciprocal ticket has found that it isn't cheap to get one. In the U. S. a ham license is free to all! The financial situation is only part of the story!

Our FCC allows us to administer our license examinations and to police ourselves. We don't have "big brother" breathing down our necks telling us what to do, when to operate, when not to, or control what we can say.

In the event of changes to the license structure, use of the spectrum, etc., a "proposal" is published. We are given time to respond with our comments and suggestions. Regardless of whether we agree or disagree with the proposed change, we are allowed to express our opinions and they are considered.

Imagine yourself sitting in another country, listening to the complaining of U. S. stations. You have to pay for your license, assuming your country allows them. You have a "Pot Full" of restrictions you must comply with including what you can, or can't discuss over the air etc., etc. Wouldn't you feel that the U. S. hams have the best deal of all? Let's quit griping and complaining

### QCWA DIRECTOR REPLIES!

El Charlton, W5MD  
1533 Outrigger Dr, Baton Rouge, LA 70816

I must take umbrage with Mr. McKay's (W4AZR) letter in the winter edition of the JOURNAL regarding the QCWA filing in D90-55. As a Director I did not receive one - repeat - one letter from a member of Chapter 66 or the Chapter's Secretary regarding their feelings about this matter. How are we to know the feelings of membership when we never receive any communications from them? The Board in its entirety did not make this proposal on the spur of the moment. It was carefully thought out after much discussion and soul searching. I am a dyed-in-the-wool CW man (27 years in the USN/USNR as a radioman Chief and still operate this mode about 97% of the time. I do not feel this proposal will harm me in any way. We desperately need new members into the amateur society and I sincerely feel this is one way to do it. The no-code thing is a certainty and we drafted our proposal with the best interest of all amateurs in mind.

Your officers and directors are elected by the general member-



(Correspondence, continued)

ship to run QCWA in the best way possible. We cannot consult the general membership on each and every item that comes up. This would be totally impractical. The matter of no-code has been at the forefront for a long time before we filed our proposals on it. No response from the membership told us that it was acceptable in one degree or another.

Please let us know of your feelings on all matters. That is the only way we have of feeling the pulse of the general membership. We give a lot of our time and money to the operation of the wonderful organization and we want the membership to be a vital part of it. If we don't hear from you we must assume that you are satisfied.

## OLD-TIMERS HEAD-SCRATCHER!

We received a number of stories covering the equipment pictured in the Winter, 1990 QCWA Journal. Most were right on, which did surprise me a good deal. The equipment pictured is a Marconi Magnetic Detector, known to a generation of pioneer radio operators as the "Maggie".

Among the fine descriptions received was one written by John D. Gray, W6UZ. It was so good, that we scrapped our description and we're printing John's just as he sent it:

"Referring to the schematic of the Magnetic Detector in the Winter 1990 issue (QCWA Journal) the operation is as follows. Around the two wooden wheels "W" is wound an endless bundle of fine iron wires stranded together but insulated from each other. This band of wires is pulled slowly past the poles of two stationary permanent magnets. At the point where it passes the poles it is routed through a glass tube around which is wound the primary of the RF transformer which is connected to the aerial and to the earth or ground. The secondary is connected to the headphones. As the soft iron wires are pulled past the pole pieces by a clockwork mechanism at about 2.5 to 3 inches per second it is magnetized when no signal is present, but the lines of force are being pulled out of position because of the motion and the wires are not fully magnetized.

When an oscillation occurs in the primary winding, the hysteresis is cancelled and the lines slip back to a point exactly opposite the pole pieces. This movement induces a current in the secondary and this creates a sound in the 'phones. The "Maggie" was far more sensitive than the coherer which was in general use and because of the very clear cut signals it produced in the 'phones enabled much higher transmission speeds. The "Maggie" was standard equipment on Marconi equipped ships for years, and some were in use well after WW-I".

Editor's Note: Thanks to all who took time to figure out what that gadget was - special thanks to John Gray for his description of how the Magnetic Detector works.

The following have sent in their description of the equipment pictured in the "Head-scratchers" story printed in the Winter, 1990 QCWA Journal: Alfred Sewell, K5DPH; George Lucchi, W6NVN; George Brooks, W2GX; Rufus Castles, W4SZG; Carl Goather, W0HRL; H. Hart, W5WD; John Boyers, W8OM; Paul Rabito, W5HR; Douglas Gordon, K6PUN and Bob Palmer, W7RD; Ben King, VE3XQ; Dorward Strong; Del Underwood, W8BDR; Harvey A. Pearson, W6JGL; J. L. Whittaker, KU0D;

Paul A. Freeland, W9FF; Albert L. Woody, W7WWQ; Vivian Bussell, W7HGO; John Gray, W6UZ; Carl P. Lagoda, W3BA; Roland Sutton, W8CMS; Gordon W. Sioat, W7KU; Roy Propst, N4CJ; Philip Brust, W8QCU; Dick George, W0TRF; Stan Oehman, K7BZ; Norton DeWolfe, W6CBX;

We were very pleased to get a letter from Marshall Killen, VE3KK. Let me quote his exact words - "Ref picture on page 158 of the Journal. It is a Marconi Magnetic Detector. I was a very junior op in 1919 when we used it on the Marconi equipped vessels sailing out of Belfast. The detector made a hissing noise, very loud at times as the iron/steel band passed over the two magnets. The band was driven by clockwork which had to be wound up by hand very frequently. There was a tuner between the antenna and detector and it was roughly tuned to 600 meters. When signals (spark) were received, the magnetic field was disturbed - the hissing noise decreased and the spark signals were heard. The magnetic detector replaced the carborundum crystal detector which in turn had replaced the old coherer."



Marshall did not send us a picture of himself but did give us a shot of his shack! See above. He is now 86 years of age - 86 he may be, but the state of the art has not passed him by! Who would have thought that there would be anyone alive who had actually used both the "Maggie" and a modern computer!

Norton DeWolfe, W6CBX of San Carlos, CA provided added information - "Marconi sure would be amazed if he knew that is unit is available on the antique market for over \$4000.00!"

A big thanks to all who took the time to remember and to write!

## A CHALLENGE FROM HEADQUARTERS!

Each year there are fewer left who intimately understood the word "Decrement" as it applied to amateur radio operation in the early 1920s. While there are still a lot of you who know, how about writing a short treatise on it - a half-column would be enough to explain just what was implied by the term, and what it meant to the operation of an amateur transmitter many years ago. Send your material to the Editor, QCWA Journal. We'll publish what we consider to be the best description in the Summer QCWA Journal!



Long Island Chapter 81  
Michael J. Orofino, W2KO  
227 S Bayview Ave, Freeport, NY

## LONG ISLAND CHAPTER 81

SCIENCE MUSEUM OF LONG ISLAND  
ELECTRONICS & RADIO COMMUNICATION CENTER

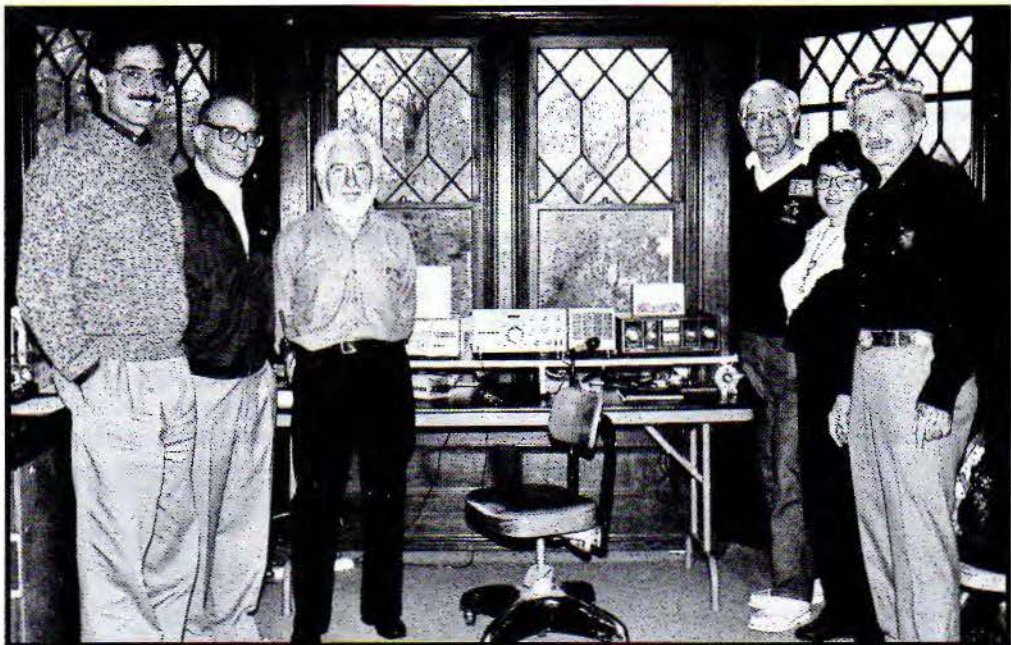
A group of local radio amateurs have established a "New Age" electronics communication center at the Science Museum of Long Island. The museum overlooking Manhasset Bay, is a non-profit organization concentrating on teaching the sciences. It offers consulting services to educators, staff development workshops and hands-on training for teachers. This winter a group from the Museum including director, Dr. John Loret, will participate in a research expedition to Patagonia, Argentina. The ERCC has an active amateur station at the museum and will be in communication with the expedition.

The ERCC is teaching radio communication and electronics to beginners preparing for their novice license. It is planned to expand teaching to include hands-on training with computers, satellite communication, packet radio, ATV, Packet Radio. Plans are being made to expand the services offered.

An important addition to our ERCC is the "Antique Radio & Electronic Section." Many donations have been received and we are hoping for much more memorabilia to expand our collection. This antique section, with donors of all items identified, will be viewed by many visitors. Donations will be appreciated and those who give will receive a letter of thanks, and value of items received, signed by an official of the Museum. Financial gifts to the Museum will be most welcome.

Members of Long Island QCWA Chapter 81 spearheaded the project with help from members of LIMARC, Nassau and Suffolk radio clubs. Everyone is welcome to help or contribute to the Electronic Radio Communication Center. The Committee for the ERCC, pictured above, consists of, L-R: Alex, AI2Q; Ed, W2KPQ; Bill, KA2OVR; Sid, K2LJH; Kate, AE2Z; and Mike, W2KO. Any of these may be contacted for further information by writing to them at the following address:

Science Museum of Long Island - Attention: ERCC  
1526 N Plandome Rd - Manhasset, NY 11030



## QCWA AWARD NOMINEES NEEDED

Bob Rickey, NF6P Chairman of the Awards Committee asks that members consider submitting nominations of those they would like to have considered for Awards. Members who have been honored are listed on the inside cover of each QCWA Journal. Two awards have not been issued for several years - if you know of some one qualified for these awards please submit their name. Nominations may be made by submission of name, the award recommended and a writeup giving reasons why the award is being requested. Nominations should be sent to the Awards Committee no later than April 1, 1991. The nominees will be presented to the Board at its Spring, 1991 meeting for consideration. Awardees selected will be honored at the National Convention in the Fall of 1991. Contact:

Bob Rickey, NF6P  
8532 Red Hill CC Dr - Rancho Cucamonga, CA 91730

## In Memory

Of Roy Albright, N5RA, who became a Silent Key December 2, 1990. He was 83 years of age. Roy began his radio life in 1918 operating through the transition period from spark to CW in the early 1920's. He was professionally employed in Power transmission and as an engineer for AT & T. He entered the Military service and was Communication Officer and Battery Commander in the Second Infantry Division.

Following WW-2 he transferred to the Signal Corps as Radio & Radar Chief of Maintenance at San Antonio and Fort Worth Army depots. Roy was a Life member of ARRL, of QCWA, Past President of San Antonio Radio Club, and participated in several other organizations. He was elected Director of the West Gulf Division of ARRL in 1968, serving until 1976. He was a pioneer in the use of two-meters.

Roy and Hazel were married 54 years. He was a gentle man, a scholar and a true friend. We shall miss him!



## RADIO CLUB OF AMERICA REPORT

I have just returned from the Radio Club of America Directors meeting, held at the New York Athletic Club. The meeting was a good one. The club voted to donate \$500 to the ARRL to help fund its WARC-92 activities aimed at preserving our amateur frequencies. The vote was unanimous. The League has issued me a certificate of appreciation for a personal gift to the same activity.

The Club Grants-in-Aid Committee approved expenditure of \$10,000 in financial grants to be awarded to needy students pursuing the electronics college education in 1991. I am proud to chair this Committee.

Pictured above, L-R: Hugh Turnbull, W3ABC, ARRL Atlantic Division Director, and Ken Miller, K6IR, Chairman of RCA Grants-in-Aid Committee, at the annual RCA Banquet, held the evening of November 16, 1990. Hugh had just been Awarded the rank of FELLOW in the Club.



Kenneth M. Miller, K6IR  
16904 George Washington Dr  
Rockville, MD 20853-1128 (301.774.7709)

## THE AMATEUR RADIO SERVICE IN EMERGENCIES

We have received a fine letter from I. L. McNally, K6WX, Sun City, CA, written to express appreciation for publication of the series on the "Grand Men of Telecommunications", written by Hugh Winter, W5HD. In addition, Mac speaks out very strongly for Amateur Service emergency operations. His experience indicates that the Amateur Service participation is significant under emergency conditions. Mac sent us a copy of the State Of California Office of Emergency Services definition of the Amateur Radio Service. We are producing it verbatim:

### AMATEUR RADIO SERVICE: DEFINITIONS & CLARIFICATIONS

RACES (Radio Amateur Civil Emergency Service) is the use of Amateur Radio resources by and for the State and local governments.

All such Amateur Radio operators, in accordance with State law, must be registered by the State or local government as Volunteer Disaster Service Workers in the "Communications" class. Any Amateur so registered by the State or local government is a RACES operator -- regardless of any other name that may be used by a local government jurisdiction. Some counties/cities call it RACES, others the Disaster Communications Service, the Emergency Amateur Radio Service, etc. (It cannot be called ARES or the Amateur Radio Emergency Service, however, because ARES is not a State or local government organization. The use of unregistered volunteers in any classification is discouraged and is routinely not allowed for legal reasons and liability.

USE OF RACES. Contrary to popular belief, it does not require major disaster or war to utilize RACES. Shown below are some common incidents that use one or more RACES operators in California:

- Hazardous material spills. Amateur radio for phone patch
- Hostage situation. Amateur Radio TV (ATV) transmits high resolution color pictures back to law enforcement
- Rainfall/stream level observations during a storm
- Severe weather observations and reports
- Hospital nets
- Radio link between EOC or Incident Command Center and the key EBS station
- Holiday/special event traffic reports
- ATV from the National Weather Service forecast office to the EOC for periodic briefings during severe weather & Floods
- Point-to-point links during telephone outages
- Landslides with long detours: provide phone patches for the inconvenienced public
- Training exercises to maintain interest and proficiency shall be authorized by the government and may include marathons, bicycle races, major sporting events, parades, fairs, special events, civil defense and hospital exercises

Thanks are sent to K6WX for sending the listing which is specific about responsibilities & needs for the Amateur Service.



# QUARTER CENTURY WIRELESS ASSOCIATION QCWA 1991 NATIONAL CONVENTION

HOSTED BY THE "HALL OF FAME" CANTON CHAPTER No. 21

**SEPTEMBER 27-28, 1991**

**PARKE HOTEL, 4343 EVERHARD ROAD NW, CANTON, OHIO**

For Hotel reservations and special convention rates, call 1-800-344-2345 or, 216-499-9410. Be sure to mention the QCWA Convention! 100 rooms are reserved, the cut-off date is September 11, 1991. Early registrations are advised!

For Convvention registration and information, call or write Chairman, Dennis Moriarty, K8AGB at 2455 40th Street, NE, Canton, Ohio 44705-2857, Telephone 216 452 3872.

Special air transportation rates via DELTA AIRLINES, Telephone 1 800 221 1212, File Reference G26026. Advise Canton Chapter if arriving by air or RV so the transportation committee can meet your flight and/or make arrangements for parking.

Entertainment for Friday evening, Sing-Along with Leo, W0GFQ and the Hamstrings, from Akron, Ohio. The Banquet speaker Saturday evening is Nationally known Roy Neal, K6DUE. The name alone will get your attention! Don't miss out on this outstanding program and QCWA Convention! If you want to help with an early registration, and we urge you to do so, use this form. You may modify your registration later to include special tours, and/or other features which may be added to the program.

Name \_\_\_\_\_ Call \_\_\_\_\_  
 Spouse \_\_\_\_\_ Call \_\_\_\_\_ If licensed  
 Guest \_\_\_\_\_ Call \_\_\_\_\_ if licensed  
 Address \_\_\_\_\_  
 Street City State Zip

Registration Fees required to participate in any activity:

QCWA Member Registration, XYL n/c	No. _____	\$10.00 each	_____
Non-Member Registration, XYL n/c	No. _____	\$11.00 each	_____
Guest Registration* . . . . .	No. _____	\$ 5.00 each	_____
Saturday Morning Buffet Breakfast	No. _____	\$ 9.50 each	_____
Saturday Evening Banquet			
Chicken Cordon Bleu	No. _____	Price to be announced	_____
Prime Rib	No. _____	Price to be announced	_____

Friday and Saturday tours planned, but not yet fully established

\* Not eligible for door prizes Total \_\_\_\_\_

Make Checks payable to: QCWA Chapter 21. Send to: Larry Schmader, K8RMY, Treasurer  
 3726 125h St, SW, Canton, Ohio 44710

**CHAPTER TWENTY-ONE IS THE ONE IN NINETEEN NINETY-ONE!**



# CANTON HAS SOMETHING TO PLEASE EVERYONE!

## Here's a sample of what we mean!

Canton, Ohio is a beautiful area in many unique ways. It possesses the atmosphere of commemorative museums, enlived historical sights, as well as the fast-paced vibrant spirit of a community on the move. Canton is the birthplace of professional football and the home of the Pro Football Hall of Fame, which serves as the showplace of this colorful and exciting action packed sport

Other attractions abound in Stark County. You can visit the monument of the 25th President, William McKinley and walk right next door to the McKinley Museum of History, Science and Industry. Visitors can also tour the Canton Classic Car Museum, or the Hoover Historical center, childhood home of William H. Hoover, founder of the Hoover Vacuum Cleaner Company. The Belden Village Mall, featuring over 70 stores, is within easy walking distance of the Parke Hotel, the headquarter property. Over 250 specialty shops surround the mall. Also surrounding the Parke Hotel are enough restaurants to suit the widest range of tastes. All of this is waiting for you when you visit Canton/Stark County.

### KENT STATE UNIVERSITY MUSEUM

The Kent State University Museum houses one of the most comprehensive collections of fashions in America. The fashions are shown in displays representative of their era. Throughout the museum are also works of art, chandeliers, clocks, china, and other historical collectibles. Items on display range from glass beads from King Tut's tomb to modern fashions.

### PRO FOOTBALL HALL OF FAME

The showplace of a colorful and exciting, action packed sport. Included in the sparkling, modern four building complex are four bright, eye catching exhibit areas, a football action movie theater, a reasearch library, a snack bar, a bustling popular museum store, plus the twin enshrinement halls, where the greats of pro football are permanently honored.

### McKINLEY NATIONAL MEMORIAL

A national historic landmark honoring William McKinley, the martyred 25th President of the United States. The Museum encompasses nearly 200 years of our country's history. The Science Hall of the Museum depicts the exciting "hands on" approach to science education. The history of the Greater Canton area's industry is detailed in the industry section of the Museum. The Hoover-Price Planetarium offers each and every visitor a chance to extend their eyes to the stars.

### AMISH COUNTY

There's something for everyone in Amish County, located just to the southwest of Canton in Holmes County. From the beautiful hand-sewn quilts and souvenirs to the fresh baked meals and home made pies, any person can find what they're looking for. The Amish are known for their simple lifestyles and are proud to share their way of life with visitors.



## SCHEDULED ON THE AIR MEETINGS

1	Cleveland Chapter	Wed	2400Z	W8OXA	146.88
2	Chicago Area	1Th	2100L		147.15
4	Northwest Chapter	Sun	1630Z	W7PN	3655
		Sun	2000Z	W7FNC	3952
		Sun	2300Z	W7AZI	3952
5	Delaware Valley	Sun	1445Z	W2HX	3917
6	Pittsburgh	Sun	1330Z	W8CSU	147.63
		Sun	1400		
7	Southern California	Sun	0900L	W6FQ	3917
		Sun	1100L	K6BA	3695
		Sun	1000L	W6ZRZ	146.805
8	Upper Midwest	Sat	0800L	W0KHG	3880
9	Dayton/Cincinnati	Sun	1800Z	W8DWT	3987
10	Michigan	Sun	1200Z	- V -	3903
11	Northern California	Sun	0930L	WA6AFT	3907
		Sat	1000L	W6HHN	146.25
14	San Diego	Wed	0400Z	K6QM	145.52
15	Tulsa	Sun	0645L	W5FUR	3830
		Sun	0930L	W5DFU	7157
16	Arizona	Sun	0800L	W7ER	3890
20	Baltimore	Mon	2100Z	W3EE	147.28
21	Canton, OH	Wed	0130Z	W8OYV	147.42
25	Nebraska	Sat	0830L	W0EUT	3982
27	Houston	Thu	2000L	W5CCD	3866.5
28	Central New York	Sun	1030L	V	3917
31	Reading, PA	Mon	0100L		146.91
32	Gator	Sat	1200Z	W4OIN	146.37
33	Gunderson-Penn-Jersey	Daily	2000L	W3TI	3982
35	Mid-Continent	Thu	2030L	W0WHK	146.37
36	Northwest Indiana	Wed	0100Z	W9NGB	145.45
38	San Antonio	Sun	2030L	N5EN	28650
41	Dallas	Sun	0715L	V	3835
44	Nevada	Mon	2000L	W9RU	145.39
45	Citrus	Tue	1930L	W4BKC	147.225
46	Founders'	Sun	1615Z	W2DP	3917
		Thu	2030L	W2DP	148.360
48	Treasure Coast	Dly	1500Z		7153
49	Atlanta, GA	Sat	0900L	K4VN	3855
54	Tyler Texas	Sun	1300Z	W5CNO	3835
55	Wisconsin	Sun	1430Z		3985
58	Colorado	Sun	0930L	V	146.070
		Sun	0900	W0WSK	3905
60	East Tennessee	Sun	1700L	W4EWR	3875
61	Detroit Metro	Sun	0800L	W8HIX	3663
62	Suwannee	Sat	0900L	K4BRC	3940
63	Central Oklahoma	Sun	1400Z	V	3855
64	El Paso	Sat	1530Z	V	3933
65	Niagara Frontier	Sun	1330L	W2SD	3900
73	Southern Ontario	Sun	1400Z	VE3CD	3772
		Sun	1700Z	VE3TO	7090
75	Central California Coast	Sat	0830L		3917
76	Blue Ridge Chapter	Sat	1300L		7180
77	Northern New Jersey	Sun	1800Z	W2OJW	3917
		Fri	0100Z		147.285
79	Sunflower Chapter	Wed	2100L		146.82
		Sat	1400L	W0AWP	3610
		Sat	1400L	W0MYM	3915
81	Long Island Chapter	Sun	1130Z	W2AMI	3917
		Fri	2030L	W2DX	147.33
84	Florida	Mon	0130L	KF4BU	146.28
85	Ark-La-Tex	Mon	0100Z	K5LFJ	146.67
87	Evergreen	Sun	1500Z		3985
89	Palmetto State	Sat	0900L	W4EGH	3927
		Sun	1700L	N4LS	3695
90	Razorback	Sun	1300L	W5MYZ	7230
92	Northern Lights	Sat	2000Z		29000
96	Gateway	Sat	1600Z	W2KGI	3933
102	Dakota	Sun	1400Z	W0HOJ	3890
104	Treasure State	Sat	1700Z		3938
106	German	Mon	1700Z	DL9AR	3663
		Tue	1730Z	DJ2ZB	3555
107	Central Florida	Sat	0900L	W4LHP	7243
		Thu	1400Z		21380
109	Baton Rouge	Sun	0830L	W5URR	3905
		Sun	2000L	W5URR	146.19
110	Kansas	Sat	0730L		3920
112	Yankee	Sun	0830L		3902
114	North Texas Chapter	Sat	1430Z	WB5PHM	3943
117	Appleseed	Sun	2030L	W8JYY	147.36/96

118	Coastal Cardinas	Mon	2000L	W4EHF	146.28
118	Coastal Carolinas	Mon	2000L	W4EHF	146.28
120	QC Wireless Women	Tue	1900Z		14295
122	Lake Erie-Tri State	Sun	0930L		3915
123	Lee deForest	Sat	1330Z		3885
125	Halifax Chapter	Tue	1930L	K2HWF	147.15
126	Piedmont	Sun	0900L		3935
128	Pelican	Sat	1000L		145.29
130	Inland Empire	Sat	0800L		3862
131	Gulf Coast	Tue	0900L	WF4V	28750
134	Pine Tree	Sun	1930Z		3942
135	Mid-Michigan	Tue	2000L		146.40
138	Central New Jersey	Tue	2200L	W2DME	147.045
140	Wyoming	Sat	1500Z	W7MZW	3923
143	North Colorado	Sun	0830L		145.115
146	Twin State	Sun	0830L	W1SVT	3897
149	Nutmeg	Sun	1630Z		3923
150	Del-Mar-Va	Sun	0900L	W3BY	146.22
151	Wild Rose	Tue	0200Z	VE6EO	7070
152	Royal Palm	Dly	1800Z	W4LZV	3910
		T&T	1830Z	W4LZV	14180
154	Leo Meyerson	Thur	1830L	V	145.490
157	Pony Express	Sun	0830L	K0LJK	3955
160	Utah Chapter	Sat	1730Z	W7FVM	7272
162	Southeast Wisconsin	Thu	0300Z		147.27
164	Big Bear Lake	Sun	0300Z	K6GCF	147.33
165	York County	Thu	0200Z	W3AXC	146.94
167	Gold Coast	Wed	1030L	KI6YN	147.885

## QCWA INTERNATIONAL & REGIONAL NETS

QCWA INTERN'L	Sun	2000Z	W6FQ	14347
QCWA CW NET	Wed	2000E	W5QU/W4PI	7035
Florida SSB	Sat	1300Z	K2SN	3955
NE Regional	Sun	0845L	KA2IXW	3917

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## **CHAPTER NEWS & REPORTS**

### **NORTHERN LIGHTS CHAPTER 92**

Roy C Gould, N6GM  
7121 E 34th Ave, Anchorage, AK 99504

The annual luncheon meeting of Northern Lights Chapter 92 was held November 10, at the Anchorage International Airport Inn, with 24 members and guests in attendance.

The meeting was brought to order by President Jimmie Tvrdy, KL7CDG. A moment of silence was observed in memory of Joseph R. Paquette, WR7C (ex KL7J) who became a silent key on July 22, 1990. A letter from Florence Paquette was read, two photos she sent will be placed in the Chapter's SK album.

Minutes of the 1989 meeting and the current 1990 financial report were given and approved as read. A letter was read from Del and Rosemary Hanrath expressing regret on not being able to attend the meeting. They sent a \$10 gift. Harold Sparks Hitchen KL7PG, gave a report on current status of the Museum. It seems the museum may have to be relocated due to the Alaska State Fair Association's desire to make use of the building. Al Fromm, AL7C gave a report on the summer picnic and meeting at Centennial Park. Twenty members and guests attended that meeting. Ways and means of attracting more members were discussed. John Trent, KL7DG was appointed to update our Silent Key list so QCWA call-letter pins can be ordered for placement on our new QCWA banner. John Mc Queen, KL7AVX gave a report on the QCWA convention at Kansas City, also a rundown on the new dues structure for 1991.

Chuck and Margie Sappah, KL7PJ and KL7YG introduced W9VNE and son. W9VNE belongs to the FOC Organization of which Chuck is a member. A discussion was held on chances of having next summers' picnic held in Fairbanks and all going in a group on the Alaska RR. John Trent was appointed Chairman to contact Fairbanks members and arrange for a meeting location. Also, to look into lodging.

The Chapter decided that next year's meeting will be held November 9, 1991 at the same time and location as this 1990 meeting - with lunch served at 12 noon, at the Anchorage International Airport Inn.

New members for this year were John Shull, W4IGM; Bill Reiter, KL7ITI and Larry Plessinger, AL7LW. They were unable to attend this meeting but will be at the next. President Jimmy Tvrdy, KL7CDG brought up the subject of Award Certificates which were given out in the past to attract new members. None have been issued for several years; the Secretary will see that information is passed to the members and to QCWA, Inc.

John Bierman, KL7GNP, the QSL bureau manager for Alaska suggested a notice on Silent Key members be sent to him for his files. This will be taken care of by the Secretary.

Officers elected to serve in 1991 are:

Jimmie Tvrdy, KL7CDG	President
John Mc Queen, KL7AVX	Vice President
Roy C. Gould, N6GM	Secretary/Treasurer

### **KANSAS CHAPTER 110**

C. Steve Schultz, W0CHJ  
520 S Jefferson, Junction City, KS 66441

The quarterly winter meeting of Kansas Chapter was held at the Kirby House restaurant in Abilene on Saturday, November 17. There were 19 members and guests present. The town of Abilene was chosen in keeping with the 100th birthday of General Ike Eisenhower and the celebrations held in Abilene this year in his memory.

After a fine lunch of good old Kansas roast beef, President Paul Chapman, KA0RZO conducted the business meeting. Jim McKim, W0CY, Secretary/Treasurer, read the minutes of the last meeting which were approved as read. Jim then gave the treasurer's report which was quickly approved when Jim announced there was over \$80 in the bank!

Wilbur Naylor, W0WXY head of the nominating committee, presented a slate of officers for 1991. After discussion the officers were elected as follows:

Ed Pick, W0BBM	President
Wendell Wilson, W0TQ	Vice President
Jim McKim, W0CY	Secretary/Treasurer

Two new Board members were approved. They are: Fred Stueve, K0TCS, and Paul Chapman, KA0RZO.

After considerable discussion it was decided that the spring meeting would be in March or April and it was agreed that the food and service of this Abilene meeting was so good that we probably would meet here again in the spring.

There was no program because of the extensive business meeting but Andy Anderson, K0NL, kept all laughing with his witty sayings.

### **QCWA JOURNAL ON CASSETTE**

**The QCWA Journal is available on cassette tape for members who have trouble reading the printed edition.**

**For information, write to:**

**Blanche Randles, W4GXZ  
6002 North Fremont St  
Tampa, Fl 33604**



## CHAPTER NEWS

### BEAVER STATE CHAPTER 108

Fred Dickson, W7LBH  
38566 Parkside Rd NE, Albany, OR 97321

Beaver State Chapter met on Saturday, November 17, at the Capital Manor in Salem, Oregon for a luncheon session which was hosted by the MANOR, a retirement facility having both hotel type accommodations as well as separate duplex houses.

After a delightful lunch, President Frank Buhman, W7CVL conducted a short business meeting at which time the nominating committee submitted a slate of candidates which was approved by acclamation. Those elected are:

Mike Strahon, KM7T	President
Del Glaser, W7ZQN	Vice President
Fred Dickson, W7LBH	Secretary/Treasurer
Bob Glenn, KC7QQ	Delegate at Large

### ARK-LA-TEX CHAPTER 85

Robert F. Grambling, WA5WDZ  
802 Lark Avenue, Shreveport, LA 71105

Chapter secretary, Bob Gramblin, WA5WDZ, sent a report on the new chapter officers together with a picture of the assembled group.



Pictured above, standing, L-R are: Dwight Brown, Jr., W5WE; Board of Directors & newsletter editor; Dave Doherty, W5EQU, President; Bud Ports, W5AJS, Vice President; John Hitt, N5JH, Vice President. Front row; Bob Grambling, WA5WBZ, Scty/Treasurer; Eddie Ogier, W5JHY, Board of Directors and Golden Certificate holder; Joe Carlson, W5LQ, Century Club Member.

### BATON ROUGE CHAPTER 109

El Charlton, W5MD  
1533 Outrigger Dr, Baton Rouge, LA 70816

Our new Vice President, Shirl Cook, K5OPL and I had the honor

and pleasure of presenting Felix Boizelle, W5DQ his 70-year QCWA Golden Certificate. Doc, a retired physician, was first licensed in 1920 as 5DQ. During the 30's Doc was very active on 160 meters. He has promised me that he will let me present him with his 75 year Award in 1995!



The presentation pictured above with Shirl at left and Doc at right! Chapter 109 now has 106 members. We cordially invite any QCWA member to check into our Sunday morning net on 3805 kHz. Time is 0830, year round!

### VIC CLARK CHAPTER 91

Lewis L. Bradley Jr, W4SWP  
8520 Culver PL, Alexandria, VA 22308

The Vic Clark Chapter held a joint Christmas meeting with Washington Chapter of the Society of Wireless Pioneers on December 15. The gathering was held as a luncheon/meeting at the Ramada Hotel in Tysons Corner, Virginia. In spite of cold and rainy weather the turnout was great. More than 40 members of the Chapter were present. Business was limited to conducting an election for 1991. Jack Kelleher, W4ZC outgoing Chapter President conducted the election. Those elected to serve were:

John Swafford, W4HU	President
Ethel Smith, K4LMB	Vice President
Lew Bradley, W4SWP	Secretary
Carl Gray, W4ACM	Treasurer

Emerson Mehrling, W4NH welcomed all members and guests and passed along best wishes from a number of members. Following the meal, Jack Kelleher introduced Harry Dannals, W2HD, President of QCWA, as our featured speaker. Harry made an outstanding presentation on a number of amateur related subjects and enjoyed good audience participation. His report on the Kansas City Convention was an in depth report on current problems, consideration and the future of amateur radio. He closed his address with a special note on the importance of being helpful to the new amateurs who will soon be getting started.

A drawing was held to distribute Christmas gifts and the traditional 50/50 drawing. A lot of useful items were welcomed by the lucky recipients. Ruth Barnabel sold the 50/50 tickets and did an outstanding job of selling. After this most enjoyable outing the group departed convinced we should all do it again.



## CHAPTER NEWS

### SUNFLOWER CHAPTER 79

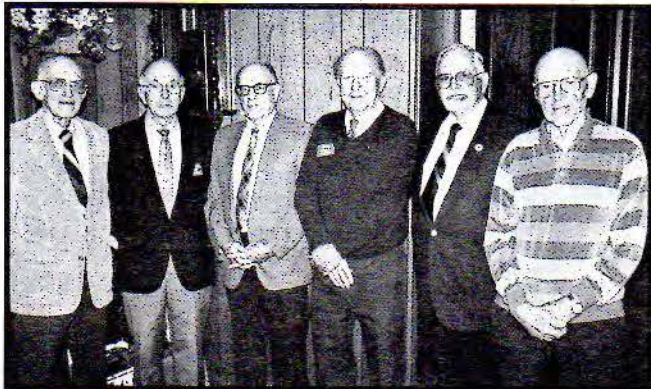
Steve Stephenson, W0TSY - 821 Lulu, Wichita, KS 67211-2642

The Chapter's annual meeting was held at Mike's Steak House in Wichita on December 12, 1990. Following a fine dinner election of Officers occurred with the following selected to serve in 1991:

Bob Fullman, W0LZB	President
Bill Johnson, W0AHK	Vice President
Del Patterson, W0JCY	Scty/Treasurer
Steve Stephenson, W0TSY	Public Relations
Ed Engle, W0MYM	Director
Ed Newman, W2RPZ	Director

Outgoing President, Bill Chambers, K0VBD turned the gavel over to Bob Fullman following a short business meeting. The program for the meeting was an enjoyable slide presentation of animals and flowers by Ron Moss, WA0RXI assisted by his wife, Dee.

It is with sorrow that we must report the death of Milton Butler, K0RSR on December 25, and the passing of Ed Engle, W0MYM, on December 28, 1990. Ed, W0MYM was a past President of Sunflower and had been elected Director in December, as announced above. He served as one of the NCS for our two-meter on-the-air meetings. Both of these QCWA members and friends will be greatly missed.



The photograph above pictures newly elected officers, L-R, Ed Engle, W0MYM; Del Patterson, W0JCY; Bob Fullman, W0LZB; Bill Johnson, W0AHK; Ed Newman, W2RPZ and Steve Stephenson, W0TSY!

### LAKE ERIE TRI-STATE CHAPTER 122

Paul Gerbracht, W3QPP - 2114 West 29th St, Erie, PA 16508

The annual meeting of LETS #122 Chapter met October 27, 1990 at the "Cottage" in Meadville. 21 Members were present, 15 XYL's and friends were in attendance for a total of 36. There was a moment of silence in memory of Larue Schick, W3MMI and Hazel Mac Carty, K3RGT. Following grace and before the meal, introductions were made.

Dave Henderson, of the RAE Club of Erie shared his experiences while working in the "Sudan" in Africa, using slides to picture phases of his work. President Bert Van Houten, W3TPW,

called the business meeting to order. Minutes of the previous meeting were read, a report on the hamfest and a report from Richard Quiggle who presented a digest of the brainstorming session at the July 7th meeting. Those elected to serve in 1991 are:

Joe Seppala, KC3LV	President
Gerald Owens, AB3X	Vice President
Bill Tammen, W9KEP	Secretary
John Stager, W3ZBF	Treasurer
Paul Gerbracht, W3QPP	Director
Bert Van Houten, W3TPW	Director

Thanks were expressed to Ray Graham W3VXV and Chuck Garrigas, W3NRU for their work in setting up the meeting place and making arrangements for the annual meeting.



The picture above, taken by Paul, W3QPP, at Kansas City was sent to us with the notation - "too good historically to lose it in a photo album". Agreed, here it is! Harry, W2HD at left, and Leo, W0GFQ, at the Ivorys!

### UPPER MIDWEST CHAPTER 8

John L. Hill, W0ZWW - 2838 Lake Blvd, N St Paul, MN 55109

Chapter 8 held its 128th meeting at the Ft Snelling Officers Club, Post Road, Mendota on November 17, 1990. Following a lively pre-meeting rag-chew, members participated in a cafeteria type meal. At 1:15 President Miller called the meeting to order with 34 persons present, each of whom introduced him/her self. In accordance with agreed procedure, the business meeting was very brief, following which door prizes were distributed with appropriate ceremonies.

The meeting program featured Powell Krueger, W0WY giving a presentation of his Alaskan trip. Forty-five minutes later everyone agreed that his report of the trip, aided occasionally by his brother Connie, W0FCC, was a delightful vicarious excursion for the group assembled. The slides shown in the presentation were most professionally produced.

**It is our suggestion that you save this issue of your QCWA Journal.**

**You will receive a ballot for voting in the 1991 Election in late May or early June and you may want to review the qualifications of candidates published in this issue!**



## CHAPTER NEWS

### GULF COAST CHAPTER 131

Robert F. Imhof, AG2K  
7314 Isle Dr,  
Port Richey, FL 34668

Gulf Coast Chapter held it's Christmas dinner at the Spartan Manor, New Port Richey, Florida, December 12, 1990 with 32 members enjoying a good time. We danced to the music of the Memories. There was a raffle of a bound copy of 1934 QST which was won By John Proles, N4TJB. Pictured at right, presentation of the Volume to John, right, by Shai Herrick, W1NHJ..



In the picture above, L-R are: Bob Imhof, AG2K; Erv, WF4V with friend, Elaine; and Sophie Imhof, Xyl of AG2K.

The Chapter holds 10 meetings each year at the Homestyle Family Buffet in Port Richey. In addition, a picnic and the annual Christmas dinner. The Chapter on-the-air net is held on 28750 kHz each Tuesday at 9 AM local time. Visitors are invited to attend our meetings.

### SOUTHEAST FLORIDA CHAPTER 12

Sid Wolfeld, KJ4AS  
2021 NW 35th Terr, Coconut Creek, FL 33066

The year 1990 under leadership of President Herb Bernard, W4JXA, provided a wide variety of activities, interesting, stimulating and sometimes saddening. A number of outstanding technical presentations among which was a memorable program by a Southern Bell technical representative covering development of fiber optics for voice and digital communication services.

Wayne Cooper, AG4R was awarded a Certificate for 60 years membership in ARRL. The Chapter provided its traditional Hospitality booth at the 1990 Hamboree and, assisted in recruitment of new members. Members Andy Clark, W4IYT, Harry Pilafian, W4SQG and Joel Kandel, KI4T served as communica-

tion coordinators for various civic activities and provided emergency communications for the Red Cross and Civil Defense authorities during simulated disaster and emergency scenarios.

The Chapter gained six new members during 1990. Notable among the new members is Del Freret, W4KB, a 70-year ham retired from Aeronautical Radio, Inc. (ARINC). Sadly, two members became silent keys during 1990.

The year closed with a chapter picnic at Enchanted Forest Park in North Miami. New officers for 1991 elected were:

John Beck, W4COG  
Harry Pilafian, W4SQG

President  
Vice President

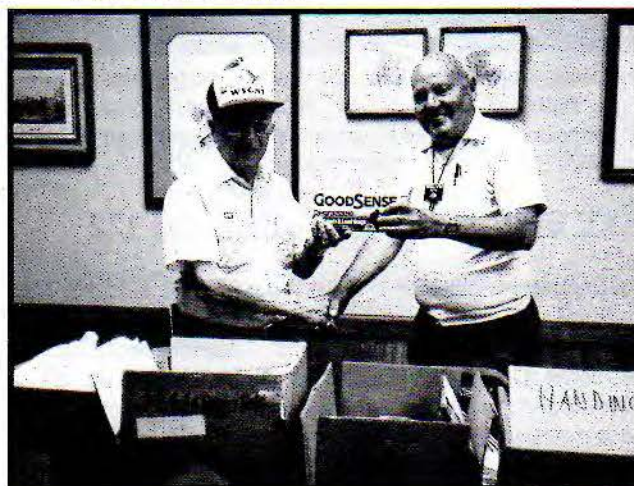
**CHAPTERS WHO HAVE NOT FILED ANNUAL REPORTS FOR 1990 ARE NOW CONSIDERED TO BE INACTIVE. YOU ARE AUTOMATICALLY REINSTATED IF YOU FILE THE REPORT NOW!**

### DALLAS CHAPTER 41

Robert Olney, N5NT  
13321 Northlake Dr, Richardson, TX 75080

Chapter 41, well known for its pacesetting, trendy innovations, recently established its first annual Trash-Bash, a pseudo-scientific environmental research project designed to calculate the average number of pounds of junk-mail received per average ham household per month. The participants in the study collected the "Informational mail offerings" received in a one-month period, sacked it, and produced it for an official weigh-in at a recent chapter meeting. The "winners" were as follows:

1st Place: George Handwork, W5CNI	81.5 lbs
2nd Place: Frank Wanja, W5IS	8.5 lbs
3rd Place: Jack Kennedy, W5DJ	6.5 lbs
Honorable Mention:	
Cecil Johnson, W5SRQ	
Pete Ohlson, W5LVM	



George, pictured above left, attributed his runaway success to a magnetic personality coupled with a long tradition of being "big in ga-barge". Each of the winners was presented a personalized bag of trash bags by chapter president Pete Ohlson, W5LVM pictured above right, in an appropriately trashy ceremony.



## NORTH COLORADO CHAPTER 143

Richard Stevens, KA0SGS  
1001 Strachan Dr #19, Ft Collins, CO 80525

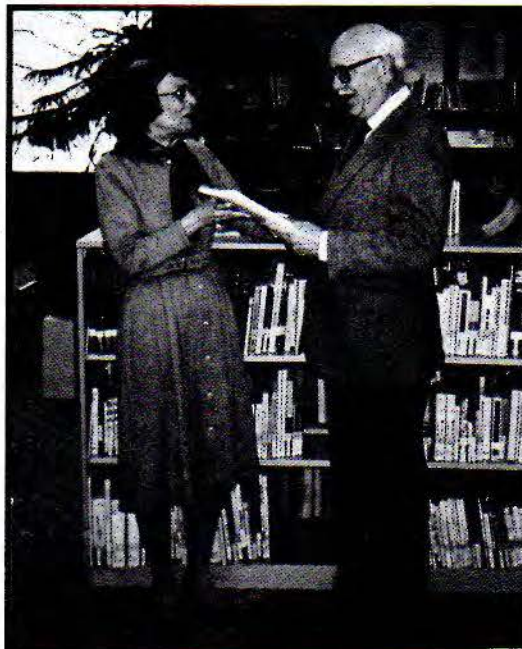
North Colorado Chapter 143 has donated the ARRL Library of books on Amateur Radio to both the Loveland, Colorado and Ft. Collins Colorado Public Libraries. The gift was made in honoring the memory of Frank E. Johnson, W0NQG. Stories of the gift and ham radio appeared in both cities' newspapers and the libraries reported a lively interest in their displays of the books.

Many of the titles were checked out within a few days.

Frank Johnson was a retired Phillips Petroleum chemical engineer who helped develop the Philblack process of manufacturing carbon black from oil during World War II. He later worked as refinery operations superintendent for Farmlands Industries in Kansas. A ham operator since before WW-II, Frank moved to Estes Park after his retirement in 1981. A bequest from his estate by his family made possible the book donations to the libraries.

Pictured above right, Jane Davis, Ft Collins, Colorado Public Library Director, accepts the book collection gift from Chapter 143 Board Member, Richard Stevens, KA0SGS

At left, Marcia Lewis of the Loveland, Colorado Public Library accepts the Book Collection from Richard, KA0SGS.



## HOUSTON CHAPTER 27

Bill Pearre, K5MMP  
7011 Sharpview, Houston, TX 77074-4821

Chapter 27 continues to have its monthly luncheon meetings at Wyatt's Cafeteria, 10311 S Post Oak, Houston on every fourth Saturday of the month at 11 AM. All are welcome to meet with us whenever you can.

At our annual meeting we elected the following officers for the coming year:

T. P. Boyett, K5EYN	President
Ted Sumerlin, N5RKM	Vice President
Bill Pearre, K5MMP	Scty/Treasurer

Our local chapter participated in the Special Events Station for "World 90 Economic Summit" which was held in Houston July 7-12, 1990. The following participated: Bumette Boyett, K5JGC; Tom Boyett, K5EYN; J. A. Edinborgh, W5BKK; Bill Pearre, K5MMP; Margaret Pearre, K5MXO; Frances Smith, WA5MPM and Ted Sumerlin, N5RKM. A Certificate was issued to all persons who contacted the special events station.

## PIEDMONT NORTH CAROLINA CHAPTER 126

Edward L. Naher, K8YFR  
7 Pinyon Ln, Pinehurst, NC 28374

We had a large group for the annual meeting held December 8, 1990 at Mid Pines Resort & Country Club in Southern Pines. It was our Christmas Holiday affair with all in a happy mood. We met at noon for a happy hour and lots of good conversation and Holiday well-wishing. Following an elegant luncheon we enjoyed our gift exchange, an important part of our December meetings.

President Nelson Large, W4FQV convened the business session which included election of officers for 1991. Those elected are:

Edward Naher, K8YFR	President
Walter Van Gieson, AB4DQ	Vice President
H. Harvey Adams, W1YJ	Treasurer
Bill Hutchins, KM4UO	Secretary

Directors elected were: Nelson Large, W4FQV; F. Guerrant Norman, WA4GEU and Carl Starnes, W4EAT.

Following the business session, Speaker Wallace Kaufman, KN4AC was introduced. Mr. Kaufman was a member of a recent



DXpedition to the Soviet Arctic and his talk was about experiences in operating an amateur station on the shores of the East Siberian Sea with three US hams and four USSR radio amateurs. The call sign was US0SU. Everyone enjoyed Mr. Kaufman's talk which was illustrated with some very spectacular color slides.

President Large wished all a Merry Christmas, a Happy New Year and a safe trip to their homes.

## CANTON OHIO CHAPTER 21

Henry McLaughlin, W8OYV  
1508 Navarre Rd, SW - Canton, OH 44706

The November meeting was held at the Skyland Pines Restaurant with 39 attending - a small group, is the word Convention having some effect?? A video and talk by Douglas Bennett of the Canton /Stark County Convention Bureau was well received - if you were not convinced on what the convention could do, you weren't listening.

John Edel, K8LBZ and Nelson Caley, W8EAR, briefed the group on the Kansas City QCWA Convention. High marks were given to Mid-Continent Chapter for their outstanding hospitality. Janet Edel, xyl of K8LBZ, climaxed the evening by showing slides of pictures taken on their round-trip to Kansas City. Janet's narration was great!



Pictured at left, L-R standing are: Marv, K8ANA; John K8LBZ, seated are: Denny K8NIB; Nelson, W8EAR; Bill, K8JZN & Dave, W8FRB.

Officers selected for 1991 are:

John Edel, K8LBZ	President
Melvin Vye, W8MV	Vice President
Stanley Smith, WA8NZE	Secretary/Treasurer
Dennis Moriarty, K8AGB	Trustee

Thanks were extended to Marvin Dennison, K8ANA; Arthur Schermerhorn, W8FEC and David Glass, W8UKQ for their dedicated service during the past two years.

## OREGON COAST CHAPTER 175

Jim Walsh, W7LVN  
159 E 16th St, Eugene, OR 97401

On the night of December 18, 1990, members of Oregon Coast Chapter convened for the formal Chapter Charter presentation. QCWA Director, Jim Walsh mushed up the coast from Eugene to participate in the ceremonies. As it turned out, "mushed" is the word, since that evening brought the start of the freezing snow storm for the entire Pacific Northwest that will be marked on calendars.

The get-to-gether was a great success, the Charter was presented and things went well. See the picture below:



L-R above, Jim Walsh, W7LVN; Phil Smith, W7BFX, Chapter President and, Ken Lukens, K7JFT, Secty/Treasurer

An added highlight of this first formal meeting was presentation of the prestigious QCWA 75-Year Golden Award to member Al Moore, K7AM. Al was first licensed as 7AF in 1914 and is one of the very few QCWA members who have been a part of amateur radio development for 3/4 of a Century. All of QCWA is proud of all of our Diamond Jubilee QCWA membrs.



The presentation, pictured above, L-R, are Ken Lukins, K7JFT, Al Moore, K7AM, Phil Smith, W7BFX. at the December 18, 1990 presentation ceremony.



## AKRON OHIO CHAPTER 39

Bill Hessler, W8DXT  
3046 Lake, Stow, OH 44224

The January 24, 1991 meeting was held at Joey's Place with President Hank Freeder, W8VQI presiding.

Charley Rogers, W8ZKX gave an extensive report on the Sharon, PA, December 7 meeting of the Five Chapter Coordinating Committee (COOCOM). Topics considered were: Kansas City Convention; no-code license; 220 MHz allocation loss; chapter newsletters; term of office of national directors; regional directors; national dues increase; national financial reporting; scholarship awards and procedures; qualification for QCWA membership; public relations; publication of COOCOM roster; minutes, net directory and, W8WGO being appointed temporary chairman for the March 15, 1991 meeting.

After dinner, Paul D. Snyder, KB8GAA, Director of Development and Public Relations for St Luke Lutheran Nursing Home spoke on the nursing home industry. He advocates making arrangements ahead of need by talking to representatives of institutions, and of visiting their facilities.

President Hank Freeder W8VQI reported that Bob Sheppard, W8CGG and his wife, as well as Phil Worsencroft, W8PBS were on the sick list and that Don Rogers, WA8SXJ was in a retirement village.

Joe, W9ODV, Says he hopes this doesn't happen to you!



## ARIZONA CHAPTER 16

Cliff Bruce, W7ER  
8720 E Jackrabbit Rd, Scottsdale, AZ 85250

Chapter 16 held its annual meeting in the picnic grounds of Kitt Peak National Observatory, 45 miles West of Tucson, October 20, 1990, with 21 attending. Clem Chase, W7JGU turned the gavel to new President, Gerald Higgins, W9INP. Vice President Lyle Brown, W7LBG and Secretary/Treasurer Cliff Bruce, W7ER, were also installed for two year terms. Following the meeting we enjoyed a tour of the Observatory optical and radio telescopes.

A Combined QCWA/SOWP luncheon meeting occurred at the Phoenix Holiday Inn, December 1, 1990 at which 85 members and guests were present. Arizona's Barry Goldwater, K7UGA, was the distinguished speaker. Among those introduced were: Fried Heyn, WA6WZO, Southwestern Division Director; Jim Swafford, W7FF, Arizona Section Manager, ARRL; Lew McCoy, W1ICP and Bob Rickey, NF6P, and Past Director Leo Meyerson, W0GFQ of QCWA and SOWP Chapter IX Director, William Jackson,

W6HDP. Among Certificates presented were: QCWA Golden to WA7AFG-60 years, W7ER and K7AW- 50 years. Bill Jackson, W6HDP presented an SOWP Special Service Award to Barry, K7UGA, for services given Chapter IX. Service Awards were presented to George Lucchi, W6NVN and to Fred Garcia for the help with the Local Chapter. Leo Meyerson, W0GFQ played the piano while Pat Higgins led us in an old time sing-along. Lew McCoy announced that our bid for the 1992 QCWA National Convention would be accepted - President Gerry Higgins, W9INP, invites all to the Valley of the Sun, in 1992.

Chapter 16 Winter meeting was held January 26, 1991, in Cave Creek, AZ, at the Eagle Creek Golf Course restaurant, with 39 members and guests attending. After a short business meeting the Phoenix area Antique Radio Club presented the program. Chuck Brelsford, K2WW gave a talk on 1905-1910 era detectors, with a display of early day detectors and 1-tube receivers.

**1992 National Convention**  
October 8, 9 & 10  
Scottsdale, Arizona

Arizona Chapter 16 will host the 1992 National Convention. A preliminary meeting has been held by the Chapter president, Secretary-Treasurer, and convention co-Chairman to discuss program requirements. Various committee Chairs will be selected at the next state meeting. Watch for further information in this, your National QCWA Journal!

## EL PASO CHAPTER 64

Robert J. Carroll, Sr., K5IE  
10025 Suez Dr, El Paso, TX 79925-4636

El Paso Chapter held its annual meeting December 15, at Wyatt's Cafeteria in Bassett Center. President Milly Wise, W5OVH installed the following newly elected officers:

John Dunsmore, W5DTP	Vice President
Manny Gonzalez, W2BFI	Secty/Treasurer
Jack Harkins, W5CPI	Director
Andy Pflug, W5VTA	Director

We wish to thank former Directors, Wally Palmer, W5KWH and C. W. Hiatt, N5HRD for their dedicated service to the Chapter.

Everyone attending the meeting was presented a basket of goodies. The Door prize, a large basket of varied fruit items was won by Wilma Nail, N5HDA.



There were more than 57 members and visitors attending the QCWA breakfast during the El Paso-Juarez International Hamfiesta in El Paso this past October. There will be a new International Hamfiesta in October, 1991 - more details later!

### CENTRAL FLORIDA CHAPTER 107

Jim Gundry, W4JM  
2908 Forestgreen Dr, S, Lakeland, FL 33811

Chapter Chaplain Al Streling, W4OFT who has 70 years in ham radio, installed the 1991 officers at the January meeting:

John Spark, W4LHP	President
Lou Porter, K4OVQ	Vice President
Jay Hitchcock, K8YGH	Secretary
Frank Mason, W4TIC	Treasurer

Everyone is urged to complete the Radio Equipment Inventory form in the new Member's Manual. Jim Gundry, W4JM, has been appointed to assist Silent Key survivors dispose of radio gear. Additional Inventory forms are available from the Secretary. Let's make this a top priority!

Frank La Londe, W4PBL, has been "Elmer" to a new ham. With the new no-code Technician regulations each member should make an effort to involve one or more people of all ages in our hobby. QCWA might stand for Q-uality C-oncern W-illing Assistance into ham radio!!

Increasing numbers of hams are checking in on our 7243 net, Saturdays, 9 AM eastern time. QCWA members at large are invited to join in and, if feasible, come to our monthly meetings held year-round the third Saturday of each month 11:30 AM, Sizzler Restaurant, US Hwy 98N, 1/2 mile south of the Lakeland Mall. These Dutch-treat luncheons have programs of general interest, so bring your Lady! Let's make 1991 a banner year by increased effort to involve newcomers into ham radio and by lending full support to the goals of QCWA!

### DELAWARE VALLEY CHAPTER 5

Don Field, W2UAE  
101 Denow Rd, Lawrenceville, NJ 08648

Delaware Valley Chapter 5 held its January meeting at the Indian Chief Inn, Rte 70, Medford, NJ, on Thursday, the 17th with 26 members and guests attending.

Speaker for the day was David Ciotti, a member of the Technical Staff at Princeton University Plasma Physics Laboratory located on the James Forrestal Research Campus. The Plasma Physics Lab is known throughout the world for its research into fusion energy. With its Tokamak Fusion Test Reactor, the Lab has attained a temperature of 116 million degrees C. Many firsts have been attained with the Tokamak machine in pursuit of a fusion process to generate commercial energy. Dave was well received by the group and many questions kept him occupied after his talk. The Chapter has been invited to tour the facility at the Laboratory.

Chairman George Van Dyke, W3HK, opened a short business

meeting following the program requesting suggestions on increasing attendance at Chapter meetings. The death of two Chapter members, Julius Pyryt, W2ODH and Grant Nonamaker, K2QXQ was reported. New Member, Walter Brink W3WPY was welcomed. Walt, a QCWA Director checks into the 3917 Sunday morning net at 9:45. A two-meter net, on a 146.790 repeater, is held each Thursday evening at 9 PM.

### NORTH TEXAS CHAPTER 114

Louis W. Smith, W5IFI  
4504 Woodlawn, Wichita Falls, TX 76308

North Texas Chapter met January 19, 1991, at Luby's Cafeteria in Wichita Falls. After a fine lunch followed by the invocation by Charles Neal, W5NRI, President Herb Sleeper, WB5PHM, called the meeting to order. Eighteen members and XYLs were present.

Following a short business session, Joe Boucher, W5NQD, Vice President, presented a number of very interesting slides of Spain and Germany taken by Joe when on temporary duty with the Air Force in Europe during 1974.

### W4JM RECEIVES SPECIAL RECOGNITION

Central Florida Chapter 107 has announced issuance of its Presidential Ham Ham's Award, given annually to the chapter member who, in the Chapter President's opinion, has rendered outstanding service to his Fellow Ham.

This year President La Londe has again issued the Award to Jim Gundry, W4JM (Jim received the Award in 1988). Given in recognition of his service to others. He has not only assisted in solving equipment and antenna problems but, has worked to close out estate sales of Silent Keys. Jim has served many terms as chapter Secretary and has reported regularly to QCWA headquarters and obtained publicity for the Chapter in other publications, such as Florida Skip.



The Award is pictured above, with Frank, W4PBL at left and Jim, W4JM at right. QCWA congratulates both men who have each made significant contributions to QCWA and to ham radio!

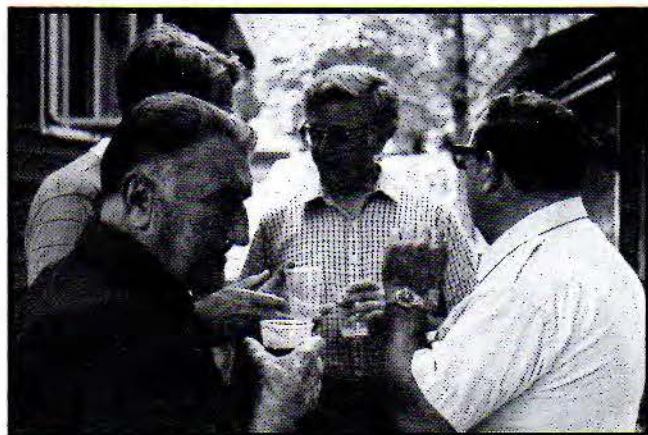


## NIAGARA FRONTIER CHAPTER 65

Kenneth R. Palmer, K2FJ  
12750 Williston Rd, East Aurora, NY 14052

Hope everyone is enjoying our Amateur Radio hobby -- DXing, Rag chewing, Traffic handling, mobiling, etc. One of our members, Dan Clark, N2DC (see picture below) has been active in the National Traffic Net since the 1950's. Dan is NCS for the NY State Eastern Area Traffic Net (CW) which meets daily at 8:30PM local on 3670 kHz. Dan's interest in amateur radio began around 1948 with assistance of Bert Jones, W2CUU (see picture below). Our Chapter has some very gifted people!

The Saturday noon luncheons at the Williamsville Inn continue to be enjoyed by many members, friends and spouses. One "regular" is Edna Whyman, spouse of Silent Key Earl, W2HB. Visitors in the area are most welcome. Good food and very interesting chit-chat. Join us!



Pictured above, L-R: President Bert Jones, W2CUU; Dan Clark, N2DC and Dr. Joe Margarone, K2DSO, at the Chapter summer picnic!

## SOUTHEAST WISCONSIN CHAPTER 162

Robert N. Jensen, W0WLN  
3616 Cambridge Ln, #6  
Racine, WI 53406

The November meeting of Chapter 162 was held at 7:30 PM November 19, at the Around-the-Clock restaurant in Racine, attended by 9 members. A chapter name badge was presented to new member Dick Kehl, WA9HOH. Plans were made for the annual Christmas party. Chuck Knotek, W9GKM was reappointed Program Chairman and Al Algiers, W9HR reappointed Membership Chairman. The Chapter voted to support a "Ham of the Year" award program in coordination with the other three area Amateur Radio Clubs. Ray Geschke, K9ATL has joined QCWA and the Chapter as our latest new member.

The December meeting was the annual Christmas Party, held at 1 PM, Sunday, December 16, at the Fireside restaurant in Kenosha. Arrangements made by Al, W9HR and XYL Mamie were enjoyed by the 15 members and spouses attending. After a fine meal a short talk on his experiences as a POW in World War II was given by Bob Jensen, W0WLN. A ladies gift exchange and raffle of the table decorations and an enormous fruit basket

donated by member Roger Strom. KN0VPP were followed by a visit and gifts to the men from Santa Claus and visit to the Algiers home. A trip to visit ailing member Herman Bielefeld was planned.



Above, Fern Fisher, W9LCJ; Bill Komistra, W9OVZ with Gladys and Bob Jensen, W0WLN eagerly await serving of dessert at the Chapters Christmas Party

The January meeting held January 21, at 7 PM at the Around-the-Clock was saddened by announcement of the first Chapter Silent Key. Ray Geschke, K9ATL, who was our newest member passed away January 10, at St Mary's Hospital after a brief illness. At his request his QCWA pin and his favorite telegraph key were buried with Ray.

A calendar of events for the year was adopted with 5 regular monthly meetings in January, March, May, September and November and 5 special event meetings in alternate months, including a museum visit, pot luck brunch, picnic, election brunch and Christmas party. No meetings are scheduled for June or July due to vacations but special events may be scheduled later for these months. Regular meetings will be brightened by "show and tell" exhibits by members, of construction projects. The Chapter will present a one-year subscription for an Amateur Radio Magazine to the Racine public library, and will attempt to contact newly licensed area amateurs with offers of help in getting on the air. President Ed Konicek reported on a visit to member Herman Bielefeld at the Burlington hospital and will continue to check on Herman's health.

## EVERGREEN CHAPTER 87

Al Cutting,  
499 Paradise Dr, Moscow, ID 83843

Greeting for 1991 to all QCWAers world-wide from Evergreen Chapter 87! Since the last report many things have changed. . 1991 arrived; winter is here and almost over; the Gulf War started and the no-code license arrived.

Our Chapter covers much territory, from the crest of the Rockies to the crest of the Cascades and from the Canadian/US border on the north to the Idaho/Utah border on the south. We even have members in Western Oregon and Western Washington as well as one member in Wyoming. As you can see, we are far-flung and depend on our Sunday net on or near 3985, at 1500 UTC to keep informed. Checkins have been picking up so that we have nearly 30 members telling us the latest news. In addition, we encourage areas who can get a few together to have



a monthly gathering. One good example has been in the Moscow, ID area where for the past several years a group has been assembling for lunch on the last Monday of each month. Attendance varies from a half-dozen to around twenty. XYL and YL usually accompany their spouses. Members from as distant as 100 plus miles come to these meetings.

Reaction in the Chapter to the no-code license has been quite mixed. From what has been heard on our net it is not popular. Only time will tell if this is or is not a progressive move.

Chapter President, Lance, K6LWS, a short time back opened a computer sales business from his home. Growth has been rapid and he has recently opened a branch office in Salem, Oregon. Congratulations are in order when you consider this was done from his wheelchair!

Plans are in place for our Spring meeting scheduled for Spokane, in conjunction with their Hamfest on April 6th. If you are near there, visit our booth and attend our luncheon.

### READING CHAPTER 31

Elmer Frantz, W3FQS  
2646 Hill Rd, Reading, PA 19606

This Chapter welcomed 1991 with approximately 40 active members. During the past year, we grieved over the deaths of our incumbent President, Ed Gurtowski, W3BHS and our Chapter senior member, Harold E. Scheerer, W3MB. Both were among the Chapter's original founders. We therefore began '91 with a virtually new slate of Officers pictured below on December 12, 1990.



L-R, above, Scty, Elmer Frantz, W3FQS; President Steward Ringler, W3EYN; 1st Vice President, Walton Horn, W3OKX; 2nd Vice President Joel Bachner, W2HPB.

Chapter meetings continue to be held as a 9AM breakfast, first Wednesday of every month in the banquet room of the Dutch Colony Motor Inn, Rt 422, Exeter. All QCWA members, prospective members and guests are invited to join with us. Special social events are conducted annually and include a mid-summer picnic and pre-Christmas luncheon party. Participation in most of events include members of the nearby Triac Chapter 166, several of whom are also Chapter 31 members.

### YORK COUNTY CHAPTER 165

William H. Boyer, W3AMQ  
21 S Findlay St, York, PA 17402

York County Chapter held its annual Ladies' Night Banquet on December 22, 1990, at Rutter's Restaurant. Fifteen ladies were present as guests of the members. Some of those attending are pictured below:



Above, L-R, 1st row: Elmer Hauer, W3IXG, Treasurer; William Boyer, W3AMQ, Secretary; John Zett, W3FLD; Dennis Cooper, K3NVI. 2nd row: Lois Jean Mundorff, K3UQB; William Barefoot, W3UQJ; Frank Bair, K3GDI; George Gable, W3EDO; Robert McClain, W3WCU. 3rd row: Max Pickel, K3COA; Cecil Mundorff, K3DCN; John Shaffer, W3SST; Edward Kirby, W3YQJ; Lester Shaffer, WA3QDU; Royal Gibson, W3LUD; John Munnell, W3HSR; Raymond Shaub, W3AXC, Vice President.

### SUNCOAST CHAPTER 53

Robert Bookwalter, W4NWF  
728 Valencia Rd, Venice, FL 34285

Suncoast Chapter held its January meeting at the House of Chong, in Sarasota, January 3, 1991 with 61 members and guests present. President Corby Pratt, K4WV, introduced those at the head table and called for reports from the Secretary & Treasurer. New member, Virgil Yarbrough, K4IEK and guests were introduced. Corby announced that Chapter 53 would have a table at the Sarasota Hamfest on the 16th & 17th of February with Bob Siff, K4AMG and John Willig, W8ACE in charge. A highlight of the meeting was presentation of the 60-year Golden Award to Bob, W4NWF.

The program featured a description of experiences Corby had in the design and construction of a log-periodic curtain antenna. Vertical elements were hung from a rope. The first antenna failed when the rope broke. A new antenna using fibre-glass rope was installed. On the first test, using 100 kW, one element arced over at the ground level insulator and started a grass fire. This was solved by a corona ring at the end of each element. The antenna had a gain of 18 dB and was used for long-range radar using two 20 kW transmitters. The radiation pattern was determined by flying a KC-135 with a trailing wire antenna in front of the array.



## EAST GEORGIA CHAPTER 100

Donald R. Anderson, K4PSW  
2522 Weldon Dr, Augusta, GA 30906-4564

East Georgia Chapter 100 held a reorganization meeting on January 24, 1991, with twelve members attending. Officers were elected to serve and plans were made to try to attract more and new members into the Chapter.

Any QCWA members who live within range are invited to attend our meetings. An on-the-air schedule will be organized as promptly as possible, and a schedule of meetings arranged and published.

## LONG ISLAND CHAPTER 81

Sidney Wolin, K2LJH  
3072 Clubhouse Rd, Merrick, NY 11566

Our December meeting was held at a local restaurant with more than 30 people attending. Our annual elections were held and the those elected are:

Herman Milatz, W2TLC	Chairman
Kate Saul, AE2Z	Vice Chairman
Sidney Wolin, K2LJH	Secretary
Landerer, W2IGH	Treasurer

Board members elected were: Julius Altman, W2DX; Charles Baker, W2KTF; Edwin Piller, W2KPQ; Arnold Tarallo, W2OEJ and Andrew Cola, W2VZQ.

Guest speaker for the evening was Harry Morton, WB2IBO, who is the AMSAT coordinator for this area. His talk on an Introduction to Satellite Operation was very enlightening. We may have started some of our members on the road to this form of ham radio.

LIQCWA membership, at years end, 1990 stood at 90. We generally meet the second Wednesday of every other month beginning with February. If any QCWA members are going to be in the Long Island area please join us at our dinner meetings.

## PELICAN CHAPTER 128

J. Strom, K9BSL  
233 34th Av N, St Petersburg, FL 33704

Pelican Chapter has changed its meeting place to the Homestyle Family Buffett in Tyrone Gardens Mall, 1030 58th St N, in St Petersburg.

Our December meeting featured presentation of the first annual Phil Stern Award, given to the member judged to have made the greatest contribution to the Chapter and QCWA during the preceding year. The first recipient was Harry Bloechle, K4WP, a Chapter charter member presently serving as net control of the Chapter repeater nets and is Sunshine Chairman. The ceremony is pictured below with Gil Pearsall, W8HEZ(left) and J. Strom, K9BSL(right) handing the Plaque to Harry(center).



The Award, is issued in memory of Phil Stern, who passed away January 31, 1990. Phil was President Emeritus of the Chapter and had served in many capacities from the beginning.. He was co-chairman with Eli Nannis, K4JMH, for the 1986 National Convention held in St. Pete.



The January meeting saw officers for 1991 inaugurated. Those taking the reins are pictured above, L-R, front row: Blanche Randles, W4GXZ, President; David Stocky, K4KE, Directory & Installation Officer. Back row: Ralph Luedke, K9MOR, Vice President; J. Strom, K9BSL, Secretary; Gil Pearsall, W8HEZ, Director; Donald Bice, W4PCO, Treasurer; Eli Nannis, K4JMH, Director; Jim Keyes, K4FCW, Director.

## FOUNDERS' CHAPTER 46

David W. Winter, W2AUF  
84-26 87 Street, Woodhaven, NY 11421

The Founders' Chapter 46 QCWA met at a french restaurant on 63rd street in New York on November 9, 1990. After a delightful repast our speaker, Paul Schuler, gave a very interesting talk on amateur radio astronomy. He handed out papers on the subject as well as answering questions from the floor. The meeting adjourned at 10 PM

The next meeting of Founders' took place on January 22nd, and was held at Harvey's Chelsea House on 18th Street, in New York. There were only five members present and therefore a slate of



candidates for election could not be presented for a vote. The following were proposed for office:

Tim McInerney, KC1EZ	President
John Weber, KA2IXW	VicePresident
David Winter, W2AUF	Secty/Treasurer

Norman Schneider, W2KVG and George Clark, W2JBL as Directors.

There was discussion regarding a different time and frequency for our Sunday net. A decision will be reached later. Ideas on how to get members to attend meetings were presented!

### SACRAMENTO VALLEY CHAPTER 169

Paul Wolf, W6RLP  
4812 Peale Dr, Sacramento, CA 95842

Sacramento Valley Chapter members were shocked and saddened at the death of recent member, Richard H. Gray WD6BCL following heart surgery. He had been a ham for 40 years and a retired Master Sergeant in the Air Force, having served his country for almost 30 years. A moment of silence in his memory was observed at the Chapters' December 12 meeting.

Sacramento Valley now has 26 members and we meet the 2nd Wednesday of each month at 8 AM, at Lyon's Restaurant, 1000 Howe Ave., Sacramento. All QCWA members and visitors are cordially invited to attend. Our breakfast meetings are always well attended and we have a "bull session", and raffle prizes at the end of the meeting. At our last meeting, December 12, we had a representative from the local power company who spoke on radio and TV interference, its causes and cures. He invited all hams to contact him if we experienced any of these problems.

### CLEVELAND CHAPTER 1

Bob Bloor, W8LYD  
24338 Smith Ave., Westlake, OH 44145

It is with a great deal of sadness the Members of Cleveland Chapter 1 learned of the death of Director "Pete" Backstrom, W3DM. Pete visited our Chapter in October, 1990 and many of our members had an opportunity to visit with him.

On January 19, 1991, about 70 Cleveland Chapter members, their XYs and guests met for the first Chapter meeting of 1991. Officers for the coming year installed were:

Ed Steuwe, W8OXA	Chairman
John Mistic, W8VRJ	Vice Chairman
Bob Bloor, W8LYD	Secretary
John Brant, W8WAB	Treasurer

The featured speaker of the meeting was Joel Rose, N8JR, a well-known Cleveland broadcast radio and TV personality. Joel discussed some of the problems in the broadcasting field as well as his activity in amateur radio.

In January, 1983, Cleveland Chapter established a local 2-

meter net which has met every Wednesday through January 16, 1991. Due to the start of "Desert Storm" shortly after 7:30 PM, with the Net meeting at 8:00PM, the Chapter Officers decided to cancel the Net for the first time in 8 years. This was done with no adverse effect on the Nets attendance which is averaging about 50 check-ins each week. A check of Chapter 1's membership roster discloses that 53 out of the 130 paid-up members have been licensed for 50 or more years which represents over 3000 man-years of amateur radio experience. There may be a lot of things we don't know much about in today's "high-tech" world, but Amateur Radio "Ain't one of them".

### TREASURE STATE & WILD ROSE CHAPTERS 104 & 151

Canadian and American QCWA members met in a joint Chapter meeting on October 6, 1990 at Grandma's Kitchen restaurant with Chairman VE6EO and Norm Reidford, VE6NR making brief introductory remarks. Chapter 104 was lead by Orval Hill, W7DB and George Hanson, W7BKB, President & Secretary, respectively. Guests stood and introduced themselves. Following dinner, VE6NR reviewed three awards received by VE6EO - A Meritorious Award, an Honorary Life Membership in Chapter 151 and the ARRL Plaque for 5BWAS!

The program was given by John Erickson, VE6NB who, in his working years was an Alberta Provincial Parks Superintendent, and also a fine photographer. His slide show and commentary dealt with several park areas of Southern Alberta, revealing not only the scenic value of the areas, but historical, geological and archaeological factors. His program was greatly appreciated. John added another point of interest by bringing his antique 1929 Whippet to the parking lot. From time to time this car is mentioned on our net, and it always creates interest, so many members were pleased to be able to actually see the car.

### PUBLICATION OF CHAPTER NEWS

We sometimes make the mistake of believing that everyone knows exactly how we like material submitted for publication in the Journal. This supposition is not always true and we are at this time sort of going over the matter.

As a matter of policy we do not publish Chapter news as it appears in the Chapter's bulletins mailed to its members. We get many of them, and read them all and want to continue to receive them but, we do not extract material from them for publication in the Journal. If you wish material published, write it specially for the Journal - we publish everything we get.

Pictures should be limited to no more than two, and we will nearly always limit publication to the one we believe to be of greater interest, or of highest quality for reproduction. When taking pictures, avoid a dark, busy back-ground - avoid shooting into a bright, open window area, and avoid taking several pictures when one will do. That is, if you make multiple Awards, get all in one picture. When listing individuals, please use name first, then call then their office, or activity, etc.

We may edit your copy but promise to do so sparingly and only when absolutely necessary to conserve space!



## CHAPTER NEWS &amp; REPORTS

Judson F. Whatley, W4NZJ  
2156 Windsor Dr, Snellville, GA 30278

Chapter 49 was visited by Santa Claus at its annual Christmas Party. He's pictured at right. There was considerable speculation among members that Santa had enlisted Byron, W4BIW. But, no matter who, Lynette and Bill Black, K4BSN are receiving gifts from Santa!

Atlanta Chapter's annual Christmas meeting was held at Morrison's Cafeteria on December 1, 1990. Approximately 21 attended, including Santa (above). Steve Wasserman, KK4PV, was appointed as President to fill the unexpired term of the former incumbent. The Vice President position was filled by Bill Black, K4BSN. Bill, who is employed by Bell South who is interested in radio astronomy, has been quite active in Chapter 49 for the past year. He and his lovely wife, Lynette, who thoroughly enjoys the quarterly meetings, reside in Lilburn, GA.



Once the formal business ended, Santa... yes Santa, dropped in to wish all a Merry Christmas and to distribute gifts. His Alabama accent and the way he hugged the ladies reminded everyone of Byron, W4BIW and, to everyone's surprise, Byron was nowhere to be found during Santa's visit! Could he possibly be Santa? Only the ladies that have been hugged by both really know and they won't tell. The entire event was videotaped for posterity by Jud, W4NZJ. The meeting ended at 7:40PM with all wishing one another a very Merry Christmas.

## CENTRAL ILLINOIS CHAPTER 59

Johnny Vasicak, W9ZEN  
124 N Glen Ave, Oglesby, IL 61348

Forty-one members and guests were in attendance at the fall dinner meeting of Central Illinois Chapter 59. Dinner arrangements at the Bloomington Square Restaurant in Bloomington, Illinois, were made by Vice-President NO9V. Following the excellent dinner, a short business meeting was held. Three new members of Chapter 59 were introduced - N9IGM; WL7AJM and W9OLF.

The entertainment for the evening was provided by President W9FEM and his wife, W9RRW. They presented a slide showing of scenes taken last November during a trip into Desert National Wildlife Range in the Mojave Desert, Hoover Dam and Lake Meade, State of Utah and scenes from Zion National Park and Bryce Canyon. Members and Guests thoroughly enjoyed the presentation. The meeting was adjourned at 9:15 PM.

The third Saturday in March, 1991, will be the date for the spring meeting, expected to be held at Lacon, Illinois.

## NORTHWEST CHAPTER NO. 4

Harold W. Johnson, W7PN  
48E Harrington Lagoon Rd, Coupeville, WA 98239

Northwest Chapter 4 held a dinner-meeting October 27, in the Rosieside Broiler in Seattle. A delicious menu of chicken breast a-la-almond. During the business meeting it was voted to contribute \$200 to the ARRL WARC-92 Fund. Those elected to serve in 1991 are:

Barney Egerer, W7GR	Chairman
Charles O'Donovan, K7RWU	Vice Chairman
Harold W. Johnson, W7PN	Secretary

ARRL Northwestern Director, Bill Shrader, gave an interesting talk on the WARC-92 meeting and the League's workings and aims.

## CENTRAL NEW JERSEY CHAPTER 138

George W. Hasslinger, WB2CGI  
61 Rues Ln, East Brunswick, NJ 08816

The fall Chapter meeting was held at Howard Johnson's Restaurant in Middletown, November 20, 1990 with thirty members and guests present. President Jerry Havel, W2RRX proposed the chapter donate \$100 to the Memorial Scholarship Fund and \$100 to the ARRL WARC 92 Fund. Members unanimously approved this plan. In a more somber mood, the President announced the passing of three members since our last meeting. Edward Phillips, K2TZC; Hayden Evans, K2BZT and Edward Byrne, W2GMW were honored by a moment of silence in their memory. In added business, members were asked to propose candidates for "Elmer of the Year" honors in 1991. The nominating committee presented their slate of candidates for the coming Chapter election. Those nominated were:

Michael Ruggiero, W2NVR	President
John Schlueter, W8WYH	Vice President
Robert Buss, W2OD	Secretary
Arnold Peterson, AB2N	

Several members then described some of the projects they have undertaken to convert war surplus equipment to ham band use!



# QCWA SILENT KEY MEMBERS

Heckman, Wallace E	W1AA	409	1990
Goss, Horace B	W1AB	7,048	1990^
Sterling, George E	W1AE	223	1990
Henney, Keith	K1AC	381	1990
Woodman, George M Jr	W1APM	8,065	1990^
Collins, Thomas E Jr	W1AZB	12,935	1990^
Hutchinson, Harold A	W1BHA	20,439	1990
Vena, Anthony C	K1BUI	16,873	1990^
Peck, Walter A	W1EFN	1,167	1990^
Sayward, Samuel Stowe	W1EMN	23,326	1990
Grant, Lloyd Ernest	W1GJZ	12,748	1990
Hindon, Reginald G	W1IHI	6,259	1990^
Rameika, John Thomas	W1JJR	17,593	1990^
Wilde, James H	K1JOD	20,926	1990
Coakley, Timothy	W1KKP	7,805	1990^
Tracy, Earle F	W1KYV	6,580	1990^
Pitman, John H	W1LY	745	1990^
Lightfoot, William F	W1PEG	5,990	1990
Holland, Edwin C	K1RTV	6,610	1990
Taber, Charles K	W2AGQ	8,850	1990^
Baarens, Henry C	K2AL	8,426	1990^
Mathis, Louis	WB2APY	20,874	1990^
Craft, George E	K2BUH	12,747	1990
Russell, James Jr	W2BXC	3,280*	1990
Mortimer, Austin J	W2CBR	4,820	1990^
Macaluso, Ross	W2CHM	9,401	1990^
Wilkerson, Victor O	WA2CII	18,164	1990
Weiler, Edward H C	W2DIA	6,501	1990^
Peirano, Harry G	W2ECP	8,005	1990^
Mess, George H	WA2GCJ	18,120*	1990^
Byrne, Edward T	W2GMW	1,846*	1990^
Davis, Shirley H	W2GOR	14,589	1990^
Ford, Warren A	W2GTB	595	1990^
Belina, Frank S	W2IBR	8,072	1990^
Phelps, George H	K2IO	3,245*	1990^
Taggart, Samuel E	W2IU	3,441*	1990
Cramer, Russell E Jr	WA2JCF	18,775	1990^
Wischebrink, George V	W2JSR	12,644	1990^
Weiner, Max J	W2KM	9,710	1990^
Smith, Harold V	W2LFL	4,747	1990^
Arakelian, Frederick	W2MQI	10,093	1990^
Pryt, Julius F	W2ODH	23,344	1990
Haylick, Hal	W2OGA	15,205	1990^
Zimskind, James R	K2OJL	21,513	1990^
Nonnamaker, Grant	K2QXQ	7,400	1990
Starkey, George M	W2RQH	9,479*	1990
Caputo, Sam	W2RSL	1,885	1991
Keller, Douglas V	W2SEF	9,665	1990^
Phillips, Edward T	K2TZC	17,131	1990^
Mac Queen, Francis C	W2UBR	9,332	1990
Ussery, Paul William	W2ZSN	20,865	1990^
Gurtowski, Edward A	W3BHS	5,088	1990^
Von Jenef, H Danforth	N3ELB	19,013	1990^
Norman, Frank H	W3IKJ	17,385	1990^
Yarnall, Franklin W	W3KNE	8,324	1990^
Hodges, George B Jr	W3MEQ	8,613	1990^
Angelina, Michael V	W3UZU	12,245	1990^
Pliscof, Samuel	K3ZPH	22,255	1990^
Headlee, J Orndorff	KJ4B	21,044	1990^

Browning, Gus	W4BPD	5,000	1990
Rodriguez, Felix V	KP4CK	6,318*	1990
Mower, Nathaniel L	K4CM	16,034	1990^
Leber, Jack	N4EYD	20,153	1990
Gerhardt, Arthur C	W4FRT	6,999	1990^
Appleblad, Henry G	K4GJF	7,929	1990^
Swann, Edward G	W4GL	9,838*	1991
Mayberry, James A	W4GU	11,353	1990^
Mc Caa, John	W4HA	388	1990^
Chandler, Charles P	W4HFO	12,855	1990^
Hanna, George M	W4HS	10,238	1990^
Matthews, Thomas H	K4JJC	14,565	1991
Stuewe, John H	K4JNB	2,725	1990^
Cherepow, Frederick H	K4JRY	7,047	1990^
Gronberg, Richard C	WA4JXG	20,456	1990^
Scharff, Carl F	K4KGG	9,395	1990^
Patterson, Edwin A	W4LTI	17,044	1983
Schoen, Carlton	W4NJS	11,249	1990
Maynard, Jesse A	W4NKS	13,670	1990^
Tattersall, Fred S	W4NXM	20,904	1990^
Manning, Stephen C Jr	W4OAE	2,002	1990^
Boudy, Glenn G	K4OX	7,538	1990^
Le Pine, Katherine M	W4PPQ	1,843	1990^
Saxton, H Ellis	W4QED	12,094*	1990^
Engle, Thomas S	K4TVQ	16,792	1990^
Etheridge, Joseph D	W4WXH	15,119	1990^
Jones, James F	N4XV	11,139*	1990^
Armbruster, Robert	N4YCV	23,225	1990^
Taulman, Daniel C	W5BU	10,362	1990^
Turner, John T	W5BXC	9,628	1990^
Ray, Charles A Jr	W5CUU	5,905	1990^
Blake, Willis U V	W5EWB	8,996	1991
Moates, Otto Edwin	W5HFN	14,484*	1990
Fletcher, Lafayette W	N5KEI	21,488	1990^
Johnson, Edward W	W5NIT	17,960	1990
Miller, Leslie C Jr	NK5Q	16,289	1990^
Youngmeyer, Ray F	W5QF	6,046	1990
Albright, Roy L	N5RA	5,838	1990
Asher, Elmer B	W5TRT	10,356	1990^
Brokhausen, S D	W5VMN	12,931*	1990
Beebe, Lillian E	WA5WZF	16,148	1990^
Parsonson, R T	W6AH	8,329*	1990^
Sullivan, Jerome R	WA6AMD	14,869	1990^
Smith, J Lee	W6AWP	8,568	1990^
Williams, Edward L	KH6BAS	22,621	1990^
Lowe, Bola C	KH6BB	2,824*	1990
Gray, Richard H	WD6BCL	23,774	1990
Ullman, Edward	W6BVS	1,816	1990^
Sunderland, Clyde H	W6CBF	2,789*	1990^
Keast, Phillip	W6DD	8,728	1990^
Roberts, Joyce O	KH6EZU	4,642	1990^
Newman, William W	W6FEX	19,836	1990^
Moore, Bob	W6GZC	17,080	1990^
Irons, Harry C	WA6HNV	12,897	1990^
Tyce, Roland	W6HON	4,072	1990^
Lewis, Jack R	W6IHR	19,936	1990^
Gould, Henry L	W6JJV	9,878	1990^
Stubbs, Ivor E	W6KFJ	13,220	1990^
Hatherell, George A	K6LK	2,512	1990^
Canterbury, W Monte	K6MD	10,126	1990^
Lackey, Gilbert N	WB6OXP	23,084	1990^
Wright, A V	W6QDE	18,454	1991



## QCWA SILENT KEY MEMBERS

Weathers, James P	W6QQ	2,782	1990^
Barnard, William S	W6ST	11,342	1990^
Clasen, William E	W6THR	13,557	1990^
Dahlin, Robert K	K16UL	21,108	1990
Braunstein, Walter H	K6YE	12,875	1990
Fistor, Ed	KD6ZF	15,113	1990^
Foulkes, Joseph F	WA7EYP	20,679	1990^
Gies, Charles L	W7FQB	17,192	1990^
Carman, Frank C	W7KBF	16,192	1990^
Gillen, Richard G	W7KFD	5,047	1990^
Cherry, Albert J	NA7L	22,576	1990^
Whittier, M L	W7LWA	19,346	1990^
Emmett, James T	W7NAP	22,138*	1990
Hess, Rex M	W7NJ	1,417	1990^
Klug, Arthur H	WA7OOS	10,817*	1990
Cooper, Robert B	W8AQA	7,674*	1990^
Evans, John L Jr	W8BXM	8,292	1990
Warner, Ralph C	W8BYC	12,420	1990^
Counts, William H	W8CUO	2,301	1990^
Landefeld, E E	W8DCC	3,849	1990
Hewitt, Henry P	W8DOG	8,834	1990^
Dodd, John Bernard	W8ETF	15,386	1990^
Roush, Floyd H	W8GA	8,268	1990
Cain, Frederick F	W8GC	8,871	1990^
Bieglecki, Philip	W8GV	2,756	1990^
Furrow, Lloyd E	W8IX	4,867*	1990
Mack, Kenneth A	K8KM	11,903	1989
Armstrong, Robert E	W8KMU	13,687	1990
Haworth, Robert E	W8LE	8,217*	1990
Correll, Harold Evans	K8OKK	17,508*	1991
Jessett, Earl A	W8PKB	23,452	1990
Green, William H	K8TVG	19,239	1990^
Green, Joseph	W8YBM	21,680	1990^
Wingate, Orval M	KX9C	16,376	1990^
Besinger, Bart J	W9GFA	9,299	1990^
Novara, Leonard	K9IZE	17,709	1990^
Hedrick, Kenneth M	W9KO	2,049	1990^
Johnson, Kurt T	W9PUT	734	1990^
Schrock, Harold E	W9QWM	3,816	1990^
Burke, Wilford J	W9VX	699	1990^
Hails, Stanley	W9ZGV	12,442	1990^
Henry, Robert	W0ARA	901	1990^
Gerard, E L	W0DPB	11,142	1990
Bowman, Clarence C	W0ESW	18,945	1990^
Hanks, William A	W0KJ	6,275	1990^
Breyfogle, Louis D III	W0MOX	8,588	1990^
Engle, George Edwin	W0MYM	15,347	1990
Dowling, John W	W0NJD	23,109	1990
Messineo, C Arthur	W0NSA	2,356*	1990^
Dolsberry, Kilian	W0OAG	3,018	1990^
Burner, Hartwell B	W0OEL	11,027	1990
Collins, Frederick V	W0QON	802*	1990^
Butler, Milton H	K0RSR	17,715	1990
Stafford, John R	W0UAE	10,986	1990^
Bishop, William T Jr	W0UI	5,558	1990
Fellison, Lynn B	W0XA	20,654	1990^
Feilhauer, Werner	DL3JE	12,277	1990

The preceding list of Silent Key Members are those reported to QCWA during the period November 15, 1990 through January 31, 1991.

\* Indicates Life Member

^Indicates precise date of death unknown, information requested.

## CORRECTION OF ERRORS

The Fall, 1990 QCWA Journal listed Edward Gilbert, W6GAT as a silent key. This was in error. Edward's wife Harriet E. Gilbert, W6HEG passed away. We offer condolences and apologize.

Silent Key, Edward L. Green W8QKY, whose passing was reported in the Fall, 1990 QCWA Journal was incorrectly listed at W8QKJ.

The Winter, 1990 QCWA Journal listed the call of Robert H. Armstrong, VE3RF incorrectly as VE7RF.

In the Spring, 1990 QCWA Journal we listed the call of E. G. Browell, K5DIJ incorrectly as K5DI.

In the 17th Edition of the QCWA Membership Roster we listed the call of George T Magee, K4GUS, a Silent Key, incorrectly as W4GUS.

## PALMETTO STATE CHAPTER NO. 89

John R. Miller, W0IKT

401 Tiffany Drive, Anderson, SC 29625-1815

Would you believe 500,000 watts on a shortwave frequency? When Chapter 89's new President, Robert D. Lambert, Jr., W4BZX sounded the gavel at the first 1991 chapter meeting on 9 February, little did the members know of the program they were to hear and see.

While Mike Batchelor, KA7ZNZ, Systems/Operations Manager at WSHB, an international shortwave radio station located in Pineland, South Carolina, spoke and used the magic of a first-rate slide presentation, members were intrigued by the switchable antenna array which could be fed by one of the two half-megawatt rigs and all other state-of-the-art equipment located at this site, as well as in two other sites across the world. We only wish that every other chapter in the world could hear and see the same program.

The QCWA Golden 50 year award was presented to Martin Hunsucker, W4HEV, and Arthur C. Winter, W2ADB, received the 65 year award. John R. Miller, W0IKT, received the Meritorious Award for his continuing work as Chapter Secretary/Treasurer. Others to receive awards included Alex Fernell, W4CO, 60 award and Century Club awards; Eric Roberts, K4RF, 65 year award.

The chapter has identified vital information on all but about a half dozen Silent Keys. Next meeting will be 29 June 1991.



**Managed by Barney Moffatt, W5CJZ**  
**5714 Trail Meadow Drive, Dallas, Tx 75230**

**Barney's Exchange has been a popular feature of the Journal for ten or more years. It's free to QCWA Members. If you would like to advertise for an item, or to trade or sell an item, write to Barney with full details. He'll get it published!**

**Neither QCWA, its Officers, Directors, General Manager or Barney assume responsibility for mis-representation or loss. We'd like to hear if you have problems!**

WANTED: Plug in "A" general coverage for HRO50, I have the following extra for trade "C" 0.9 - 2.0, "H" 100 - 200. All other types, also a #2 for CNA-47157 RAS-5 REC 450 - 900. I have an "A" plug-in but ruined by someone trying to modify. I'll include instructions to rewind for 15 M band-spread. All 5 for "A"

Bill Turner, W2WV  
16 Roxbury Dr, Holiday, FL 34691

"SCISSORS" arm, black enameled, to hold either microphone or resonator box. Expands from nine to thirty inches, frees your hands to write - \$45.00 with desk mount. With resonator box and sounder mounted therein, \$147.00. Western Electric hard-wood jack box with six heavy duty jacks - \$49.00. Genuine Western Union signs - \$31.00/ Genuine Blue Racer - \$189.00. Advise if it is to be used on ham radio. All prices include prepaid shipment. Send \$1 for telegraph catalog.

W. C. Hess, W6CK  
Box 19  
Pasadena, CA 91102

WANTED: Manual for Swan HF-700S transceiver and a manual for a Swan PSU-3A power supply.

Louis T. Philippi, W0QKR  
1326 E 111th PL  
Northglenn, CO 80233

WANTED: Science Museum of Long Island, a non-profit organization is looking for donations of antique radios and electronic equipment for the antique section of Electronic Radio Communication Center (ERCC).

A letter from the museum will be sent to every donor with the evaluation of items received and signed by an official of the museum. Write or call:

Science Museum of Long Island  
Att: W2KO (516 223 7168)  
1525 N Plandome Rd  
Manhasset, NY 11030

WANTED: 1935, 1936 or 1937 CALL-BOOK.

C H Fitch, W3ENS  
450 SE LaCreole Dr # 124  
Dallas, OR 97338

WANTED: Measurements Corp, Model 59 Megacycle Meter. Freq. range 2.2 to 420 MHz. Must be in mint condition, complete with all 7 plugin coils. All responses answered.

Gail Benson, W5ADV  
2700 NW 19th St  
Oklahoma City, OK 73107

FOR SALE: CW crystal filter unit for Kenwood TS-820, unit type YG-88C 8830.7 kHz. New, boxed, never used. \$40

Henry Wroblewski, WA4GIE  
11340 Brown Bear Ln  
Port Richey, FL 34668

FOR SALE: Collins clone, Rcvr/xmtr, PS, Station console/control, all cables. All band CW & SSB, manufactured by Reliant = works fine = a real beauty. \$475!

Gerald Griffin, W8MEP  
230 San Jose St, Ste 10  
Salinas, CA 93901  
D(408 424 5784) N(408 649-5705)

WANTED: Schematic diagram with or without manual for Ryder Chanalyst Type 162C code 945, made by? RCA

Peter Rowe, VE3EQA  
222 Westmount Dr, S  
Orillia, ON L3V 6E4 Canada

WANTED: 117X or XC Swan Power Supply, Vibroplex Blue Racer #4, any old or different keys.

F. W. Nicholas, W7RBF  
PO Box 37094  
Phoenix, AZ 85069  
602 864 9987

WANTED: Vibroplex Zephyr!

John Elwood, WW7P  
5716 N 34th Dr  
Phoenix, AZ 85017  
602 841 1480

WANTED: QST - Dec 1915 and Dec 1919. Have 16's 17's & 19's for trade.

Wanted: US Amateur Callbooks, 1920 thru 1945!

Robert Arrowsmith, W4JNN  
PO Box 166  
Annandale, VA 22003  
703 560 7161

WANTED: Your old transmitting & rcvng tubes for museum purposes (need not be operational). Let's preserve them for the future and old time amateurs to admire. Transportation refunded. No items sold for profit, surplus shared with needy amateurs, other old parts and items welcomed.

Leonard J. Ohmes, K5IEG  
HC1, Box 367EA  
Canyon Lake, TX 78133



**FOR SALE:** Radio Amateur Callbook, Spring, 1950, good cndx, US & all countries. \$15 postage paid.

Mike Harris, W4MAV  
615 Claiborne St  
Danville, VA 24540

**WANTED:** Hallicrafters HT-37 in very nice cdx. Also QST's between 1920 & 1940 and ARRL Handbooks in the 30's

Steven C Salmon, K7OXB  
2184 E 6070 S  
Salt Lake City, UT 84121  
801 272 8766

**WANTED:** Slide Rules for display museum. All types. Antiques, specialties, books, related items. Need circular and cylindrical.

Bob Hill, NK3U  
PO Box 161  
Linthicum, MD 21090

**WANTED:** Will pay \$25 for any William B Duck catalog #1 through #12 in reasonably good shape. Will trade modern ham gear or purchase outright pre WW-II xmtrs by REL, Harvey, Collins and Gross.

Parker Heinemann, W1YG  
745 16th Ave, S  
Naples, FL 33940  
813 262 2568

**FOR SALE:** Gonset phone patch, GPP-1, with meter, like new with manual. \$100 postpaid.

Mike Harris, W4MAV  
615 Claiborne St  
Danville, VA 24540

**WANTED:** National receivers, SW-2, SW-3, SW-4, SW-5, SW-58, AGS, FB-7, etc. Early communications receivers. Johnson Ranger, 122 VFO, Heath Apache, Tenner. Collins 75A-75A4, KWM-1. Pilot Wasp - Drake 1A, 2A, etc.

Steve Barnes, K6PFW  
848 N Silverwood  
Upland, CA 91786

**FOR SALE:** HF5B Butterfly, compact light beam, 6Ft boom length, 12 foot element length. 20/15/12/10 meters operates as a dipole on 17. Weight 19 lbs. Alliance tenna rotor model U-110, with U-100 control with about 90 feet of control wire. Alliance TBB thrust bearing.

John Stacey, K14CO  
4653 Lady Bug Cir  
Las Vegas, NV 89122

**FOR SALE:** Clegg Zeus, Gonset Communicator III. Make offer, you pay shipping!

Richard Favreau, K1HWV  
11 Gaston St, Box 106  
Pelham, NH 03076  
603 635 7076

**WANTED:** Power supply, both AC & DC for Galaxy V transceiver. State cdx & price, I'll pay shipping.

Pete Ohlson, W5LVM  
8928 Hackney Ln  
Dallas, TX 75238-3708

**WANTED:** "Radio Antenna Engineering" book by Edmund A Laport, McGraw Hill, 1952.

Bill Mills, KC5PF  
1740 Tonys Ct.  
Amissville, VA 22002  
703 818 3955 or 703 937 4090

**WANTED:** Coil sets used in HRO 50 or 60 rcvrs, no special range, any cdx, wo9rking or not.

Robert P. Thayer, W1PBE  
PO Box 818  
Rangely, ME 04970

**WANTED:** The following gear, at modest cost:

Lafayette HE-30 (KT-320) receiver  
Drake T4X or T4X-B xmtr & power suply  
Heath DX-20, DX-35., DX-40  
Hammarlund HQ-170A w/clock, HQ-215  
Hammarlund HC-10 product detector  
Central Electronics Sideband slicer  
Hallicrafters, heath, etc, VFO  
Hallicrafters S-40A rcvr, HT-40 xmtr  
Drake 22-C receiver  
Any FT-243 amateur xtals 160-10 mtrs  
AnyTed Crosby homebrew rcvrs  
60's catalogs, Allied, Lafayette, etc

Coils or forms for SW-e or FB-7  
Autronics keyer paddle  
Skillman Bug as sold by Lafayette  
Mosley CM-L rcvr. Please quote lowest price & indicate condx of equipment

Dave Heil, 9L1US (K8MN)  
Freetown, Dept of State  
Wasjomgtpm. DC 20521-2180

**FOR SALE:** Collins KWM-1; 561F-1 pwr supply; speaker. Estate of W5QF

Cecil C. Cammack, W5RRM  
1600 Yosemite  
Tyler, TX 75703  
903 561 4239

**FOR SALE:** Hallicrafter S20R Sky Champion with manual, working order, original owner \$80 if you pick up, \$100 if I ship.

Elmer Orvis, KD5KE  
308 Shadow Oaks  
N Little Rock AR 72116  
501 834 2843

**WANTED:** Hallicrafter's Dual Diversity receiver - Model DD1 or DD2. State condition and aprice.

Harry M. Nebven, W9QB  
1151 Fairway Drive  
Dunedin, FL 34698

**FREE TO MUSEUM OR RESTORER:** Very early engineering model RME69 receiver. Includes a Lamb type 3-tube IF noise blanker. Rough inside, cabinet good. Includes a few extra 6-pin tubes. Been stored 25 years. Pick-up only . . . too heavy to ship

Victor A Woodling, W9JNH (12692)  
PO Box 1107  
Van Alstyne, TX 75095  
903 482 5069

**WANTED:** small knob for Grebe 1925 "Syncrophase" radio, fitting the "color-tone" shaft.

Sid Wolin, K2LJH  
3072 Clubhouse Rd, Merick, NY 11566  
Phone & Fax 516 379 2861

**FOR SALE:** Antique rubber crystal made by Radio Apparatus Co, of Chicago. Make offer, or will trade

M. P. Stanley, K9VJH  
913 Oakwood rd, E Peoria, IL 61611  
309 699 6701



# NEWLY ENROLLED MEMBERS

05-23-90	23,409	Barrett, Roy C	K8TNW	Worthington, OH	Ralph Rickett	W8BTW
	23,410	Harris, Kenneth D Sr	W8KWO	St Johns, MI	Currin L Skutt	W8FSZ
05-24-90	23,411	Burkhart, Robert	N4PDZ	Lakeland, FL	Jim Gundry	W4JM
05-28-90	23,412	Zimmerman, Ralph V	WA9EPY	S Milwaukee, WI	Ed Seruga	KE9JJ
	23,413	Johnson, Charles J	W1PXE	N Vassalboro, ME	Philip Young	-
	23,414	Ingersoll, Glenn F	W8MUK	Toledo, OH	Robert N Hanna	K8ADK
05-29-90	23,415	Goekler, Lewis	K9IFR	Cincinnati, OH	Richard Sloan	W6TTG
	23,416	Taylor, David F	K7SNN	Portland, OR	Ralph P Taylor	N7DWD
	23,417	Dinger, Blaine W	W0BYP	Leavenworth, KS	Roger L Kehm	N0HCR
	23,418	Goslee, Richard A	K2VCZ	Rochester, NY	Harry Dannals	W2HD
05-30-90	23,419	Ricks, Freda M	KD3SG	Carlisle, PA	Maurice C Ricks	NQ3E
	23,420	Reiser, Erwin G	K9CUI	Wautoma, WI	-	-
	23,421	Dolson, William L	K8DDV	Saginaw, MI	-	W8HZF
	23,422	Nadreau, Hector	N1HN	Manchester, NH	-	-
	23,423	Hogan, John B	K8CIS	Richland, MI	-	-
	23,424	Spaulding, Charles W	W5TEC	Mountain Home, AR	Leland Smith	W5KL
	23,425	Pomeroy, William G	WA2LEY	Lafayette, NY	-	-
06-01-90	23,426	Patterson, William G	KJ6HY	Santa Rosa, CA	Ruth Chance	K5YL
06-04-90	23,427	Culley, James	K1LBE	Gales Ferry, CT	Al Cohen	W1FXQ
	23,428	Hollis, Robert	W6GWG	Rollin Hills Estates, CA	-	-
	23,429	Blaine, Peter J	N2FDQ	Endwell, NY	-	-
	23,430	Drake, Robert S	KB6YQM	Fawnskin, CA	-	-
	23,431	Morrison, Robert T	K6JCJ	Santa Ana, CA	-	-
	23,432	Schmilewske, Robert G	K3KUD	Lansdale, PA	-	-
	23,433	Lineberry, William B	WB4TGT	Check, VA	Ted Heithecker	W5EJ
06-05-90	23,434	Williamson, Richard L	WA7AQR	Tumwater, WA	Fleet Ratliff	N7ICG
	23,435	Hiatt, Theron D	W7VDW	Portland, OR	Don Johnson	W6AQQ
	23,436	Lewis, Guy M	N2GL	Banks, OR	Merle McLaughlin	W7DNY
	23,437	Masvidal, Paul A	WB6PCU	Port Angeles, WA	Leland Smith	W5KL
	23,438	Angeloff, Edward A	W6PKW	Sumner, WA	Leland Smith	W5KL
	23,439	Root, Siebert T	W7CTW	Portland, OR	Fleet Ratliff	N7ICG
	23,440	Van Wyk, Mack	WA7DOQ	Normandy Park, WA	Ted Heithecker	W5EJ
	23,441	Stavitsky, Eugene V	UW0CA	Khabarovsk, USSR	Jim Walsh	W7LVN
	23,442	Fredrickson, R H	WA0DIM	Portland, OR	-	AL7W
	23,443	Leslie, Ray E	WA7EKH	Kirkland, WA	Merle McLaughlin	W7DNY
	23,444	St John, William L	W7IMZ	Ridgefield, WA	Merle McLaughlin	W7DNY
	23,445	Schorr, Ruth A	K7RFO	Klamath Falls, OR	Fleet Ratliff	N7ICG
	23,446	St John, Lois L	WB7OXX	Ridgefield, WA	-	-
	23,447	Lavinder, Clyde W	WA7AOG	South Bend, WA	Merle McLaughlin	W7DNY
	23,448	La Grone, Robert E	WX6S	Mountain View, CA	Leland Smith	W5KL
	23,449	Lago, Ron	KB7IVU	Elmira, OR	Leland Smith	W5KL
	23,450	White, John	K7RUN	Portland, OR	Leland Smith	W5KL
06-06-90	23,451	Ficht, Raymond L	N9IGN	Chillicothe, IL	Paul Lecocq	W9FEM
	23,452	Jessett, Earl A	W8PKB	Southern Pines, NC	-	-
	23,453	Moore, Carl R	W6LGM	Palmdale, CA	-	W5EPJ
	23,454	Barnes, Lester E	W0SKF	Topeka, KS	Jim McKim	W0CY
06-07-90	23,455	Rude, Robert A	AJ0C	Seattle, WA	Thomas P Traugher	W0ZX
	23,456	Stanley, Milton P	K9VJH	Perham, MN	-	-
	23,457	Choate, Philip H	N1GLC	East Falmouth, MA	-	-
	23,458	Hanger, Chris	WA5LGM	Austin, TX	-	-
	23,459	Kessler, Maurice E	NM9K	Akron, IN	-	-
	23,460	Marini, Albert T	W9CKQ	Kenosha, WI	Robert N Jensen	W0WLN
06-08-90	23,461	Stathis, Robert T	K1HSN	Southington, CT	Milton Chaffee	W1EFW
	23,462	Postvoit, Walter T	KA1OKY	Uncasville, CT	Milton Chaffee	W1EFW
	23,463	Michael, Brian	W1OU	Canton, CT	Al Cohen	W1FXQ
06-11-90	23,464	Miracle, Leroy	K8OBD	Parma, OH	-	-
	23,465	Norrissey, Casimir E	K4MTX	Charlottesville, VA	Harry Dannals	W2HD
	23,466	Gspann, Francis M	WB2ABT	Shark River Hills, NJ	-	-
	23,467	Wnukowski, Charles	W5ODR	Biloxi, MS	El Charlton	W5MD
	23,468	Price, Jack R	W7NTI	Sealrock, OR	-	-
06-12-90	23,469	Kunkel, Carl Jr	K5IBI	Amarillo, TX	-	-
	23,470	Petrie, Robert K	KB7CCS	Bellingham, WA	Ruth Chance	K5YL
	23,471	Stortz, Richard C	K8JNZ	Lansing, MI	-	N8EST
	23,472	Brown, Leonard E	W0FDD	Arvada, CO	-	-
06-13-90	23,473	Linden, Barnard J	N2DQR	Terryville, NY	Herman Milatz	W2TLC
	23,474	Silver, Sheldon B	WA9NGR	Rockford, IL	-	-
	23,475	Laird, Lee	WA5EHA	Dallas, TX	Luther Pully	W5JIZ
	23,476	Saringer, John H	K5ZVP	Dallas, TX	Luther Pully	W5JIZ
	23,477	Duval, William M	K5UGM	Irving, TX	Luther Pully	W5JIZ
	23,478	Ives, Kenneth M	N5LUD	Palestine, TX	Luther Pully	W5JIZ
	23,479	McGuire, Patrick M	WA8PLR	Austin, TX	Luther Pully	W5JIZ
	23,480	Nash, James W	K4HMS	Houston, TX	Luther Pully	W5JIZ



## UNDERSTANDING BASIC THEORY

### WHY IS AN ANTENNA?

Hugh Winter, W5HD

It's always been something of a mystery to me how we manage to take power out of a transmitter and push it out into space. It's only a little less mysterious how a wire hanging out in space picks up an electromagnetic signal and transforms it into electrical impulses in a receiver. It is still a mystery, but here is an attempt to visualize the whole thing.

Start with two conservation laws: (1) Energy can be neither created nor destroyed. It can only be changed in form. (2) Electrical charge can neither be created nor destroyed. Charges interact in space to create electrical fields.

Consider any transmitting antenna. For example, a quarter-wave vertical working against ground or radials. Charges in the form of high frequency currents are introduced into the antenna wire and create a varying electric field between the antenna and ground. But an electrical field in a current carrying conductor creates a magnetic field around the wire, and a varying magnetic field in turn creates a varying electric field. There is a continuing interaction between the fields as they move out into space.

So what the antenna has done is to transform a varying current into a varying electromagnetic radiation. Assuming we have a varying wave shaped current flow in the antenna, we will produce a wave shaped electromagnetic radiation field. The antenna has, so to speak, changed electrical energy into electromagnetic radiation energy. It is thus a transducer and is analogous to changing the electrical energy fed to a motor into mechanical energy of the armature rotation.

In a sense we have coupled the antenna circuit to space . . . for maximum energy transfer, the impedance of the driving source must be equal to that of the driven element. Can we envision such a concept as the impedance of space. I think so.

Consider a point source of electromagnetic wave - not too unreasonable when we are a distance from the source. It radiates equally well in all directions. If we connect all the equal phase points on a given wave (for instance, all the wave crests or all the wave troughs) the point source is at the center of a kind of wave front shell constituting a geometric sphere.

Now the power density at any part of the wave area can be expressed as

$$P = \frac{W}{4\pi R^2} \quad (1)$$

(Remember your solid geometry formula for the area of a sphere)  $P$  (Greek letter rho) is the power density in watts per square meter,  $W$  is the radiated power in watts,  $R$  is the radius of the wave front shell in meters and  $\pi$  is our old friend 3.1416.

The electrical field strength of an electromagnetic field  $E$  (Greek letter eta) a distance  $R$  (meters) from a power source ( $W$ ) is:

$$E = \frac{\sqrt{30 W}}{R} \quad (2)$$

Remember Ohm's law where:

$$W = E^2/Z \quad (3)$$

In a radiation field we have something similar to  $W$  and to  $E$ . From these quantities we derive a factor we can call the impedance of space. From our equations (1), (2), (3) for energy density and field strength we calculate:

$$Z = \frac{E^2}{W} = \left( \frac{\sqrt{30 W}}{R} \right)^2 / \frac{P}{4\pi R^2} = 120\pi = 377 \text{ OHMS}$$

So all we have to do for the efficient transfer of power is to match the impedance of the antenna to the impedance of space. Which is the basic objective of thousands of antenna configurations.

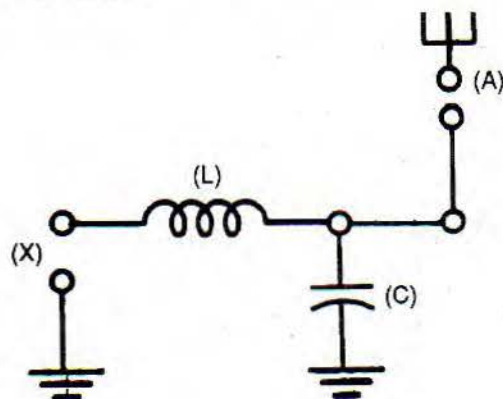
Editor's Note: This has been the first of what we hope will be a goodly number of explanations of basic electronic theory. QCWA Vice President, Hugh Winter, W5HD has authored this one. What we would like for you to do is to follow through his reasoning and do the simple math involved in reaching the value of the impedance of space as he has done. There will be more for us in the Summer QCWA Journal. (If we can talk Hugh into it!)

### ON CAPACITORS

In the winter Journal we published a story on capacitors - who would ever have thought that 2 pieces of tinfoil and piece of glass could be so complicated. More coming in the Summer Journal!

### A SIMPLE PROBLEM TO TINKER WITH

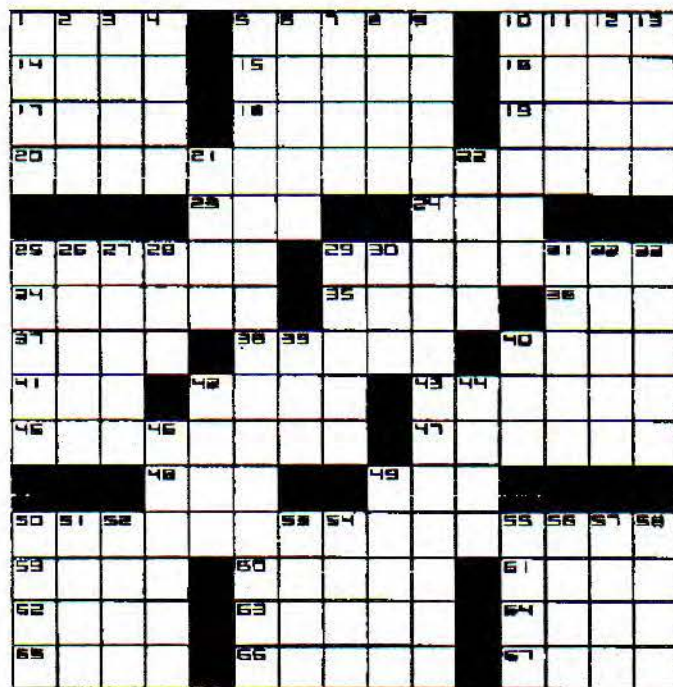
Below we have shown a circuit of an antenna and a matching network. At point (A) the antenna impedance has been measured to be  $70 + j100$  ohms. The capacitor (C) has a reactance of  $-j111$  ohms and the inductor (L) has a reactance of  $+j32$  ohms. Your problem is to calculate the impedance that would be measured at point (x). When you have completed your work send it to Headquarters. We will publish, in the Summer QCWA Journal, all of the answers received together with the correct answer to the problem.





# PUZZLES & GAMES

This is the third crossword prepared for us by Howard T. Francis, W9NHM. If you enjoy them, drop him a letter! His address is: 107 Walnut Street, Park Forest, Illinois 60466

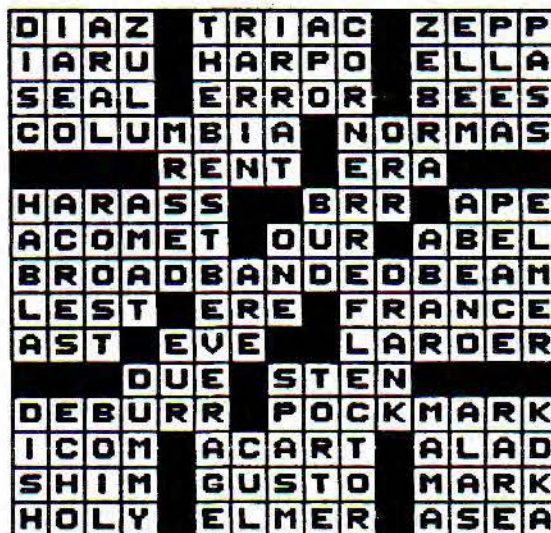


## HORIZONTAL

1. Is the right size.
5. Flake off in layers.
10. Unguent.
14. Object of reverence.
15. Bears in the sky.
16. Robert \_\_\_\_\_.
17. Blood fluids.
18. If you don't want to have your cake, \_\_\_\_\_!
19. Not home.
20. What the Kansas ham was doing on a field day.
23. Very definite article.
24. Hematite
25. QSL establishment
29. The doctor's fee was low. He was \_\_\_\_\_.
34. Favorite DX locations.
35. QLF foot.
36. Beer relative.
37. Bros. and sisters.
38. Join with melted brass
40. M.A.S.H. man.
41. Burglar's diamonds.
42. Hurt badly
43. He makes the play.
45. Inherited.
47. Locators.
48. 1400.
49. Travel by successive jumps.
50. What the DX'er did when he confirmed No. 300.
59. Word describing an oboe.
60. When I come to a curve in the road, \_\_\_\_\_.
61. Prefix denoting farming.
62. Prefix meaning all.
63. Prepare dough.
64. Bus. or prof. groups.
65. Pet. combo.
66. Makes less stressful.
67. Hunt.

## Solution to Puzzle No. 2

Published in the Winter, 1990 QCWA Journal



Drop a postcard telling us of your interest in the QCWA Crosswords as prepared by Howard, W9NHM.

Four puzzles were prepared. This issue features the third

## VERTICAL

1. Angle
2. Bright thought.
3. Vacuum unit.
4. Bulgarian, e.g.
5. Kingman Reef visitor K9AJ, as known to friends of KA9RHK.
6. Chatter.
7. Italian wine area.
8. Lie down today, and tomorrow you will have \_\_\_\_\_.
9. What the pirate ship might do to make the merchantman stop.
10. To get the XYL's OK for Dayton, you may have to \_\_\_\_\_.
11. Medicinal plant.
12. Popular Horne.
13. Contest of track and field.
21. End of unfinished list.
22. Habeus Corpus.
25. Friendly language.
26. New York city
27. Charge them a lot more than the fair price (slang).
28. Chicago Loop markers.
29. The fort to remember.
30. Turk topper.
31. Mediterranean island.
32. Tree.
33. Gets close to.
39. Some mfrs'. clarifier.
40. Help.
42. Natural insulator.
44. The orator received \_\_\_\_\_ attention.
46. Enough can make you sick
49. Goddesses of regularity.
50. Chase away.
51. Live out in the wilds?
52. Character of old.
53. Sicilian mountain.
54. Membership fee.
55. Kampuchea neighbor.
56. Mythical bad one.
57. You have it when you want what you want.
58. Computer adjunct.



## LAST, BUT NOT LEAST

### QCWA DIAMOND JUBILEE AWARDS!

#### At the Miami Hamboree

Early in February a good crew of QCWA Officers and members descended on Miami. From reports we've had, it was a great get-to-gether, with plenty of activities for all. QCWA President Dannels, W2HD, Treasurer Randles, W4COW and Director, Brink, W3WPY took part in ceremonies and in conducting a QCWA Forum for members. One of the highlights of the meeting was presentation of the QCWA Diamond Jubilee Award, issued to Nat Burnett, K4OL, for 75 years of licensed operation in Ham Radio. Nat is a real old-timer and still active (see lower LH corner page 16 of this Journal for more info on Nat). The Presentation occurred on February 2, 1991!

The group manned a QCWA table, and enrolled a number of



Pictured above, L-R are: Walt Brink, W3WPY; Nat Burnett, K4OL; Harry Dannels, W2HD; Wes Randles, W4COW, at Nat's presentation ceremony.

#### CENTRAL FLORIDA CHAPTER 10



above, Chapter Officers elected to serve in 1991. L-R: Lew Porter, K4OVQ, Vice President; Jay Hitchcock, K8YGH, Scty; John Spark, W4LPH, President; and Frank Mason, W4TIC,

#### In the Great Northwest

On October 28, 1990, QCWA members visited Cottesmore Convalescent Home, in Gig Harbor, Washington, where "Doc" Clifford Spike, W7OS, is a resident. Doc was first licensed in 1915 as 7CS. Doc worked long and hard for QCWA and for amateur radio. He was a charter member of the Tacoma Radio Club, organized in 1916. He has taken part in many activities, both civil and military, serving the Public. He is loved and revered by all amateurs in the Northwest.

The trip featured the presentation of the QCWA Diamond Jubilee Award commemorating 75 years of licensed amateur service. Doc suffered a stroke in 1983 and has not been able to speak but, he communicates with his eyes and hands, and was nearly overcome by emotion.



Pictured above, L-R are: Fleet Ratliff, W7ICG; Doc Spike, W7OS; Merle McLaughlin, W7DNY and Ray Etherington, W7FNC taking part in the ceremony.

#### Edgar F. Johnson - Silent Key

We have just been advised of the passing of E. F. Johnson, 9ALD, 91 years of age, who died of cancer at his home in Waseca, Minnesota, on February 11, 1991.

Edgar founded the E. F. Johnson Company in 1923, and was one of the very early manufacturers of components used by amateur and the radio industry.

He was first licensed 9ALD in 1923. His company was one of the first to produce and sell manufactured amateur transmitters. During the Citizen Band heyday the Company produced a large quantity of CB transmitter/receiver units. E. F. Johnson Company was active during WW-II manufacturing component and transmitters for the military.

In recent years the firm specialized in cellular telephone technology. At its peak, in 1976, the Company employed 2,600 and was recognized as a leader in the development of two-way radio communication equipment.



## CERTIFICATES AVAILABLE

MEMBERSHIP CERTIFICATES numbered in serial order are issued to each member. Numbers are not re-issued except to the same member to whom they were first issued

QCWA GOLD CERTIFICATES celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license

GOLDEN CERTIFICATES, are issued in five year increments - 55, 60, 65, 70, 75 year Certificates, free of charge to eligible members.

50-YEAR CONTINUOUS LICENSING Gold certificate available to eligible members. Requires submission of proof licensing. There is a \$5 fee. Applications available from QCWA Headquarters.

QCWA CENTURY CLUB CERTIFICATE is issued to QCWA members whose age, when added to their number of years as a QCWA member, totals 100 or more. No charge for the Certificate

MERITORIOUS AWARD is issued by Headquarters, upon request of any active QCWA Chapter. One such award for each Chapter each year. The Award may be given to recognize unusual dedication to QCWA or Amateur Radio. There is no charge for the Award.

### OPERATING AWARD CERTIFICATES

QCWA Operating Award Certificates are issued to QCWA members by the activities manager. Proof of eligibility is required.

QCWA WORKED 50 STATES awards are issued to QCWA members who have contacted members in each state of the Union.

QCWA WORKED 100 MEMBERS awards are issued to QCWA members who have contacted at least 100 QCWA members

QCWA WORKED 60 CHAPTER awards are issued to QCWA members who have contacted members of 60 chapters

QCWA WORKED 500 MEMBERS awards are issued to QCWA members who have contacted 500 QCWA members.

In addition, plaques are awarded to the highest scoring members for both phone and CW QSO Parties. Runners up receive certificates.

## MEMBERSHIP SUPPLIES & ORDER BLANK

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240 QCWA Yellow Stamps (50-yr)	\$ 2.50
QCWA Logo on rubber stamp	\$ 6.50
QCWA Cap with Logo	\$ 5.00
QCWA Chapter Banner	\$200.00
QCWA pays half of first banner	\$100.00
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